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UNIVERSITY OF ILLINOIS

# SEVENTH ANNUAL CATALOGUE

OF THE

## ARKANSAS



LOCATED AT

FAYETTEVILLE, WASHINGTON COUNTY, ARKANSAS.

FOR YEAR ENDING JUNE 12, 1879,

AND

ANNOUNCEMENT FOR 1879-80.

ORGANIZED SEPTEMBER 18th, 1871.

JUNE 1879.

LITTLE ROCK :

PRINTED BY BLOCHER & MITCHELL, STATE PRINTERS AND BINDERS.

1879.



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SEVENTH CATALOGUE

OF THE

Arkansas Industrial University,

LOCATED AT

FAYETTEVILLE, WASHINGTON COUNTY, ARKANSAS.

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FOR YEAR ENDING JUNE 12th, 1879.

AND

ANNOUNCEMENT FOR 1879-80.

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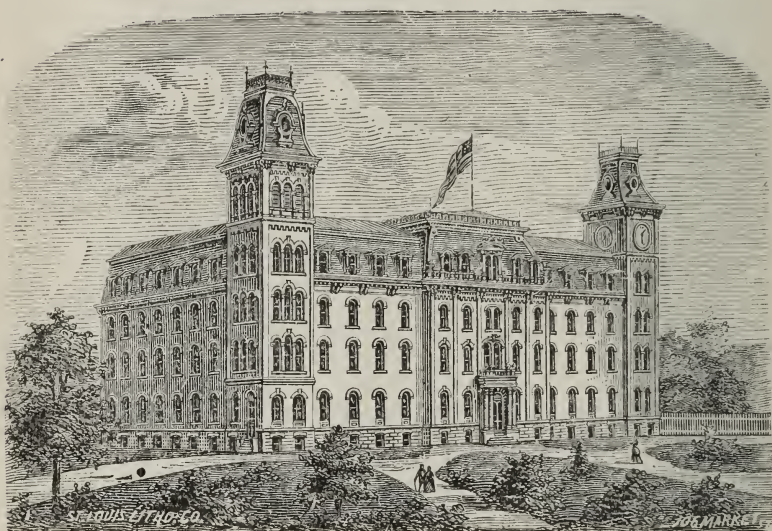
—ORGANIZED SEPTEMBER 18th, 1871.—

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JUNE 1879.

LITTLE ROCK:  
BLOCHER & MITCHELL, STATE AND CITY PRINTERS.  
1879.

# ARKANSAS INDUSTRIAL UNIVERSITY.



## DIMENSIONS AND CAPACITY.

It is 214 feet long, by 122 feet wide, covering an area of 26,108 square feet. It is five stories high, with French or Mansard roof, covered with slate and tin. The height of the building is 134 feet.

The basement story is built of stone; the foundation is bedded on solid rock. The next three stories are built of brick, and the attic of wood. The basement story is in height, 13 feet in the clear; first and second stories, 16 feet each; third and fourth, 15 feet; the clock and bell towers extending two stories above the attic.

There are ten rooms 77 by 61 feet, ten rooms 22 by 29 feet, ten rooms 22 by 28 feet, ten rooms 22 by 25 feet, ten rooms 22 by 22 feet, ten rooms 22 by 19 feet, five rooms 15 by 23 feet, four rooms 22 by 20 feet, and one room 77 by 50 feet—making a total of seventy rooms. In addition, there are four corridors 15 by 28 feet, and four corridors 14 by 210 feet.

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1878/79-1879/80

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In Attendance at Commencement, June, 1879.

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I. J. LONG, D. D., Secretary.....	Batesville, Ark.
PROF. R. H. PARHAM, JR.....	Little Rock, Ark.
HON. J. K. JONES.....	Washington, Ark.
PROF. J. M. PETTIGREW.....	Charleston, Ark.
PROF. M. SAVAGE.....	Helena, Ark.

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# Officers and Instructors.

GEN. D. H. HILL,  
*President and Professor Mental and Moral Science.*

---

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*Principal of Normal Department.*

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*Professor of Ancient and Modern Languages, with English Literature and History.*

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COL. O. C. GRAY, A. M.,  
*Professor of Mathematics and Civil and Mechanical Engineering. Commandant of Cadets.*

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*Professor of Natural Sciences and Chemistry.*

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*Adjunct Professor of English Literature and History.*

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J. B. GORDON, C. E. and B. Sc.  
*Adjunct Professor of Civil and Mechanical Engineering.*

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C. P. CONRAD, A. M.,  
*Adjunct Professor of Natural Sciences and Chemistry.*

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W. D. C. BÖTEFÜHR,  
*Professor of Music—aided by competent assistants.*

---

*Professor of Military Science and Tactics.*

---

LECTURESHIP ON HYGIENE,  
*Under control of Washington County Medical Association.*

---

V. L. GRAY,  
*Teacher of Drawing and Painting.*

---

O. F. RUSSELL,  
*Principal of Preparatory Department.*

---

F. L. SUTTON,  
*Preceptress of Preparatory Department.*

---

BURGESS BALL, A. B.,  
*First Assistant Preparatory Department.*

---

H. B. EDMISTON, A. B.,  
*Second Assistant Preparatory Department.*

---

CAPT. W. F. STIRMAN,  
*University Provost.*



# Medical Department.

## FACULTY.

P. O. HOOPER, M. D.

*Professor of Theory and Practice of Medicine, and President of the Faculty.*

EDWIN BENTLEY, M. D.

*Professor of Institutes and Practice of Surgery.*

A. L. BREYSACHER, M. D.

*Professor of Obstetrics and Diseases of Women and Children.*

JAS. A. DIBRELL, JR., M. D.

*Professor of Anatomy.*

JOHN J. McALMONT, M. D.

*Professor of Materia Medica and Therapeutics.*

ROSCOE G. JENNINGS, M. D.

*Professor of Clinical Surgery and Venereal Diseases.*

JAMES H. SOUTHALL, M. D.

*Professor of Institutes of Medicine.*

CLAIBOURNE WATKINS, M. D.

*Professor of Chemistry and Toxicology.*

---

J. J. JONES, M. D.

L. P. GIBSON, M. D.

*Demonstrators of Anatomy.*

---

T. E. MURRELL, M. D.

*Lecturer on Eye and Ear and Microscopy.*

---

EDWARD CROSS, M. D.

*Lecturer on Gynecology.*

---

GEO. C. HART, M. D.

*Lecturer on Hygiene and Botany.*

---

W. A. CANTRELL, M. D.

*Lecturer on Clinical Medicine.*

---

JAS. H. LENOW, M. D.

*Lecturer on Genito-Urinary Organs.*

---

LOUIS AUGSPATH, D. D. S.

*Lecturer on Dental Surgery.*

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All communications should be addressed to R. G. JENNINGS, M. D., Secretary.





# CATALOGUE OF STUDENTS

For the Session Commencing September 2d, 1878, and  
Ending June 12th, 1879.

Regular Students in the Collegiate Department are graded in General Department and Scholarship, on the scale of 100. In all the classes except the Senior, the numbers attached to the names indicate rank: No. 1, indicating first rank; No. 2, second rank, etc.

Irregulars, and those taking a Partial Course, are not graded.

The numbers on the left of the names of the Senior Class, indicate the standing in General Department and Scholarship; and those on the right, the standing in Scholarship alone.

## CLASSICAL DEPARTMENT.

### SENIOR CLASS.

Department and Scholarship.	NAME.	RESIDENCE.	Scholarship.
91.5	Butler, H. M.....	Varner Station, Lincoln County.....	88.90
92.97	Floyd, J. C.....	Bentonville, Benton County. ....	91.13
91.18	Harrod, J. H.....	Lonoke, Lonoke County.....	89.98
91.76	Marrs, S. E.....	Viney Grove, Washington County.....	89.82
93.40	Marshall, J. C.....	Avoca, Benton County.....	91.68
91.21	Patton, Miss L. A. ....	Viney Grove, Washington County.....	88.87
92.72	Teagne, C. V.....	Toledo, Dorsey County.....	91.32
92.24	Wood, C. D.....	Hamburg, Ashley County.....	90.20

Total, 8.

### JUNIOR CLASS.

6	Carnall, Ella.....	Fort Smith, Sebastian County.
5	Droke, G. W.....	Bentonville, Benton County.
8	Johnson, T. M.....	Wesley, Madison County.
10	King, Artelee A.....	Fort Smith, Sebastian County.
2	Kitchens, T. B.....	Jonesboro, Craighead County.
1	Langford, W. H.....	Eldorado, Union County.
	McClure, Emma.....	Fort Smith, Sebastian County.
4	Miles, O. A.....	Eldorado, Union County.

- 
- 12 Patton, Mattie J... Viney Grove, Washington County.  
 7 Ross, Z. C... Fort Smith, Sebastian County.  
 3 Russell, Lawrence... Russellville, Pope County.  
 9 Tillman, John N... Fayetteville, Washington County.  
 11 Williams, Naomi J... Fayetteville, Washington County.

Total 13.

---

#### SOPHOMORE CLASS.

- Bland, O. P... Little Rock, Pulaski County.  
 Boles, Carrie G... Fayetteville, Washington County.  
 7 Bates, C. O... Cincinnati, Washington County.  
 Baugh, W. F... Fairview, Dallas County.  
 4 Booth, W. P... Vineyard, Phillips County.  
 Cravens, Nannie... Fayetteville, Washington County.  
 5 Ellis, F. W... Fayetteville, Washington County.  
 Felker, Ginevra A... Ozark, Franklin County.  
 9 Gregg, L. W... Fayetteville, Washington County.  
 10 Hicks, J. T... Searey, White County.  
 Holleman, J. I... Fayetteville, Washington County.  
 Haskell, L. C... Pastoria, Jefferson County.  
 Hon, Daniel... Waldron, Scott County.  
 11 Jones, Gustave... Jacksonport, Jackson County.  
 3 Lanier, J. A. M... Mountain Home, Baxter County.  
 Miller, S. A... Van Buren, Crawford County.  
 Menard, J. L... Chester, Desha County.  
 Meek, S. B... Johnsonville, Bradley County.  
 8 Moore, J. I... Vineyard, Phillips County.  
 Pettit, Emma... Fort Smith, Sebastian County.  
 Rieff, O. S... Magazine, Logan County.  
 2 Ross, T. D... Fort Smith, Sebastian County.  
 Reed, J. A... Fayetteville, Washington County.  
 Reed, Lina... Fayetteville, Washington County.  
 6 Rutherford, J. F... Billingsley, Washington County.  
 Simms, L. M... Avoca, Benton County.  
 Veazey, Lela... Dardanelle, Yell County.  
 1 Watson, J. J... Fayetteville, Washington County.  
 Witt, Gibson... Conway, Faulkner County.

Total 29.

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#### SOPHOMORE ENGINEERS.

- 2 Conner, E. H... Augusta, Woodruff County.  
 1 Lytle, G. E... Pine Bluff, Jefferson County.

Total 2.

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#### FRESHMAN CLASS.

- 7 Brown, W. D... Newtonia, Newton County, Mo.  
 Bernard, A... Russellville, Pope County.  
 19 Bobo, C. P... Smithville, Lawrence County.  
 Bates, Lena... Fayetteville, Washington County.

	Boggs, E. B.....	Dardanelle, Yell County.
	Boles, Minnie.....	Fayetteville, Washington County.
	Burrow, B. M.....	Alma, Crawford County.
	Bradley, Jos.....	Russellville, Pope County.
14	Bost, A. C.....	Clarksville, Johnson County.
	Crandall, J. M.....	Charleston, Franklin County.
	Carrigan, A. H.....	Washington, Hempstead County.
24	Cravens, Jessie.....	Fayetteville, Washington County.
	Campbell, B. F.....	Fayetteville, Washington County.
5	Chanslor, C. K.....	Washburn, Barry County, Mo.
9	Davis, Jeff.....	Russellville, Pope County.
18	Echols, O.....	Van Buren, Crawford County.
27	England, W. W.....	Evansville, Washington County.
6	Ferguson, J. D.....	Mount Adams, Arkansas County,
3	Frost, E. C.....	Washburn, Barry County, Mo.
	Hudson, J. T.....	Dardanelle, Yell County.
	Harkey, Aliee.....	Russellville, Pope County.
16	Hester, Fannie.....	Pine Bluff, Jefferson County.
	Halley, R. H.....	Waldron, Scott County.
	Highsmith, W. H.....	Black Springs, Montgomery County.
29	Herbert, R. O.....	Milburn, Izard County.
	Jennings, Tom.....	Fayetteville, Washington County.
	Jones, Fannie.....	Caddo Gap, Montgomery County.
	Klock, C. F.....	Pine Bluff, Jefferson County.
	Kelley, J. H.....	Fayetteville, Washington County.
	King, C. M.....	Fort Smith, Sebastian County.
	Kelleam, J. M.....	Charleston, Franklin County.
	Kuykendall, A. R.....	Gainesville, Greene County.
	Keene, G. H.....	Viney Grove, Washington County.
26	Madden, D. B.....	Camden, Ouachita County.
1	McDonough, J. B.....	Charleston, Franklin County.
11	Montgomery, W. P.....	Pieree City, Lawrence County, Mo.
21	McClure, J. A.....	Fort Smith, Sebastian County.
28	Murdoek, J. W.....	Randall, Dorsey County.
	McWhirter, L. D.....	Bentonville, Benton County.
17	Mayes, J. F.....	Fayetteville, Washington County.
	Myers, Mattie A.....	Myers Landing, Sebastian County.
	McFarlane, R. W.....	Enterprise, Sebastian County.
	Miller, Jesse.....	Mulberry, Franklin County.
23	Mitchell, N. H.....	Bloomfield, Benton County.
	McKenzie, J. H.....	Helena, Phillips County.
	McKenzie, S. F.....	Helena, Phillips County.
	McWhirter, H. G.....	Bentonville, Benton County.
	Oates, T. F.....	Russellville, Pope County.
12	Pruitt, Florence.....	Russellville, Pope County.
22	Pickel, J. W.....	Pleasant Hill, Franklin County.
13	Roger, J. T.....	Randall, Dorsey County.
	Rainwater, P.....	Fayetteville, Washington County.
20	Reed, G. W. M., Jr.....	Fayetteville, Washington County.
10	Rogers, P. A.....	Spavinaw, Benton County.
31	Stovall, B. L.....	Jacksonville, Pulaski County.
	Scott, Berma.....	Fort Smith, Sebastian County.
	Stroud, C. W.....	Bentonville, Benton County.
8	Shell, G. C.....	Augusta, Woodruff County.

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30	Sorrells, T. F.....	Warren, Bradley County.
15	Saunders, G. B.....	Hopeville, Calhoun County.
	Taliaferro, J. W.....	Bentonville, Benton County.
	Tillman, Emma.....	Fayetteville, Washington County.
25	Tuck, W. J.....	Avoca, Benton County.
	Winfrey, R. B.....	Van Buren, Crawford County.
4	Williams, H. B.....	Washington, Hempstead County.
2	Williams, J. E.....	Washington, Hempstead County.
	Williamson, C. M.....	Russellville, Pope County.
	Wood, Maggie.....	Van Buren, Crawford County.
		Total, 67.

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## FRESHMAN ENGINEERS.

3	Brown, C. F.....	Van Buren, Crawford County.
1	Jones, A. C.....	Little Rock, Pulaski County.
2	Orme, P. B.....	Van Buren, Crawford County.
		Total, 3.

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## PARTIAL COURSE STUDENTS.

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	Bell, J. H.....	Fayetteville, Washington County.
	Corley, W. B.....	Bentonville, Benton County.
	Du Val, Annie M.....	Fort Smith, Sebastian County.
	Deane, Maggie.....	Fayetteville, Washington County.
	Elkins, L. W.....	Fayetteville, Washington County.
	Ellenberg, J. J.....	Yellville, Marion County.
	Gates, Howard.....	Fayetteville, Washington County.
	Hatchett, B.....	Fayetteville, Washington County.
	Harris, Lula.....	Pierce City, Missouri.
	Jackson, U. L.....	Fayetteville, Washington County.
	Jones, Mary.....	Caddo Gap, Montgomery County.
	Jones, S. M.....	Searcy, White County.
	Kelleam, M. S.....	Charleston, Franklin County.
	McDaniel, T. W.....	Hamburg, Ashley County.
	Pearce, Sallie K.....	Osage Mills, Benton County.
	Putman, Mary.....	Fayetteville, Washington County.
	Pettigrew, Annie.....	Fayetteville, Washington County.
	Roleson, E. J.....	Wittsburg, Cross County.
	Roleson, M. E.....	Wittsburg, Cross County.
	Roleson, F.....	Wittsburg, Cross County.
	Rhodes, Lena.....	Fayetteville, Washington County.
	Stone, W. C.....	Fayetteville, Washington County.
	Skelton, W. R.....	Fayetteville, Washington County.
	Schumaker, C. H.....	Hot Springs, Garland County.
	Thompson, J. F.....	Cabin Creek, Johnson County.
		Total 25.

## POST GRADUATES.

	Gregg, A. S. Jr.,.....	Fayetteville, Washington County.
		Total 1.

## PREPARATORY DEPARTMENT.

## SUB. FRESH CLASS.

Adair, P. B.....	Ash Flat, Sharp County.
Adair, W. C.....	Ash Flat, Sharp County.
Anderson, G. W.....	Okmulgee, Creek Nation.
Atkinson, J. G.....	Star City, Lincoln County.
Atkins, W.....	Washington, Hempstead County.
Austin, J. C. ....	Van Buren, Crawford County.
Barbour, Ed. A.....	Alma, Crawford County.
Barnett, S. W.....	Fayetteville, Washington County.
Bernhold, R.....	Helena, Phillips County.
Berry, Ella J.....	Huntsville, Madison County.
Black, Cora E.....	Fayetteville, Washington County.
Black, H. M. ....	Fayetteville, Washington County.
Bowen, L. L. ....	Trenton, Phillips County.
Breedlove, C. T.....	Greenwood, Sebastian County.
Briant, W. A. ....	Hope, Hempstead County.
Brundage, Carrie E.....	Avoca, Benton County.
Butler, J. W.....	Star City, Lincoln County.
Carden, C. H.....	Bloomer, Sebastian County.
Carson, C. N. ....	Jonesboro, Craighead County.
Carrigan, S.....	Washington, Hempstead County.
Carrigan, A. H.....	Washington, Hempstead County.
Carter, M. M.....	Pocahontas, Randolph County.
Chambliss, T. D. ....	La Pile, Union County.
Chaney, H. D.....	Arkansas Post, Arkansas County.
Churchill, C. T.....	Little Rock, Pulaski County.
Cloar, B. G.....	Hickman, Fulton County, Kentucky.
Conner, T. J.....	Fayetteville, Washington County.
Conwell, T. E.....	Nimrod, Perry County.
Cox, Alice.....	Carlisle, Lonoke County.
Crooker, Alma B.....	Hot Springs, Garland County.
Davis, T. C.....	Fort Smith, Sebastian County.
Dunagin, J. R.....	Avoca, Benton County.
Durrun, W. E.....	Russellville, Pope County.
Dyer, W. H.....	Alma, Crawford County.
Finley, S. C.....	Trenton, Phillips County.
Frost, J. R.....	Hampton, Calhoun County.
Frost, T. S.....	Washburn, Barry County, Missouri.
Garrett, Martha J.....	Fayetteville, Washington County.
Garretson, C. E. ....	Charleston, Franklin County.
Gladden, J. W.....	Jenning's Falls, Yell County.
Goodman, J. E.....	Springdale, Washington County.
Gregg, Mollie E.....	Fayetteville, Washington County.
Hall, E. M.....	Canton, Sharp County.
Hammack, R. M.....	Monticello, Drew County.
Harkey, Dora.....	Russellville, Pope County.
Harkey, Lillie.....	Russellville, Pope County.
Harris, B. A.....	Pierce City, Missouri.



Head, Hindman C.....	Richmond, Little River County.
Hill, J. M.....	Fayetteville, Washington County.
Hudson, Wm.....	McKenzie's Landing, Jefferson County.
Jarman, S. H.....	Barton, Phillips County.
Jones, G. W.....	Caddo Gap, Montgomery County.
Jones, Jno. A. MeE.....	Barton, Phillip's County.
Kelly, L. W.....	Malvern, Hot Spring County.
Kenner, J. F.....	Osage, Carroll County.
Kight, J. M.....	Warren, Bradley County.
King, Belle.....	White Bluff, Jefferson County.
King, Carrie M.....	Mulberry, Franklin County.
Knight, F. O.....	Carlisle, Lonoke County.
Lacy, Mamie H.....	Van Buren, Crawford County.
Lake, Ella.....	Viney Grove, Washington County.
Lee, E. P.....	Bentonville, Benton County.
Lee, John L.....	Bentonville, Benton County.
Leverett, Julia B.....	Fayetteville, Washington County.
Lockhart, Fannie.....	Springfield, Missouri.
Manuel, Willie L.....	Fayetteville, Washington County.
Massie, Julia J.....	Fayetteville, Washington County.
Maxwell, B. R.....	De Witt, Arkansas County.
Maxwell, M. J.....	De Witt, Arkansas County.
Maxwell, R. S.....	Bentonville, Benton County.
McCart, W. W.....	Fayetteville, Washington County.
McCary, L.....	Washburn, Barry County, Missouri.
McCollow, R. C.....	Fayetteville, Washington County.
McHenry, R. D.....	Jacksonville, Pulaski County.
McNeill, A. F.....	Red Bluff, Jefferson County.
Merrill, S. G.....	Van Buren, Crawford County.
Moses, N. N.....	Hampton, Calhoun County.
Murdock, Annie May.....	Harrisburg, Poinsett County.
Nevill, C. E.....	Pine Bluff, Jefferson County.
Nichol, B.....	Pine Bluff, Jefferson County.
Odle, Katie L.....	Helena, Phillip's County.
Paddock, C. B.....	Fayetteville, Washington County.
Pape, W. P.....	Fort Smith, Sebastian County.
Pearce, N. May.....	Osage Mills, Benton County.
Pearee, S. H.....	Magnolia, Columbia County.
Pearce, B. H.....	Magnolia, Columbia County.
Peel, D. W.....	Bentonville, Benton County.
Phillips, M. P.....	Huntsville, Madison County.
Porter, Jno. J.....	Helena, Phillip's County.
Puckett, J. W.....	Avoca, Benton County.
Quarles, Geo. R.....	Hope, Hempstead County.
Reinach, J. L.....	Pine Bluff, Jefferson County.
Reiff, Emma B.....	Fayetteville, Washington County.
Reynolds, Johnanna.....	Fayetteville, Washington County.
Rudolph, B. A.....	Fayetteville, Washington County.
Sanders, Cener C. ....	Huntsville, Madison County.
Sanders, N. L.....	Huntsville, Madison County.
Schumaker, C. H.....	Hot Springs, Garland County.
Sheffy, J. K.....	Mount Vernon, Faulkner County.
Shugart, L. O.....	Princeton, Dallas County.
Simpson, D. M.....	Elm Springs, Washington County.



Sliger, L. P.....	Helena, Phillips County.
Snyder, W. E.....	Pine Bluff, Jefferson County.
Stroup, Henry.....	Webb City, Franklin County.
Thompson, Nellie.....	White Bluff, Jefferson County.
Tilles, A. C.....	Fort Smith, Sebastian County.
Tucker, J. L.....	Russellville, Pope County.
Turner, S. P.....	Ash Flat, Sharp County.
Uteley, W. W.....	Mount Vernon, Faulkner County.
Vaughan, W. R.....	Little Rock, Pulaski County.
Wallis, W. C.....	Hope, Hempstead County.
White, John D.....	Van Buren, Crawford County.
Total, 112.	

---

#### A. CLASS.

Abercrombie, G. W. . . . .	Sulphur Springs, Benton County.
Asher, A. J. . . . .	Alexandria, Arizona Territory.
Atkinson, J. G. . . . .	Star City, Lincoln County.
Black, J. S. . . . .	Bentonville, Benton County.
Black, H. M. . . . .	Fayetteville, Washington County.
Blake, C. F. . . . .	Bell's Store, Nevada County.
Botefuhr, Miss Lillie K. . . . .	Fayetteville, Washington County.
Burks, C. G. . . . .	Monticello, Drew County.
Burrow, Miss Lizzie M. . . . .	Alma, Crawford County.
Cannon, J. H. . . . .	Osage Mills, Benton County.
Carter, M. M. . . . .	Pocahontas, Randolph County.
Damron, J. B. . . . .	Fayetteville, Washington County.
Driver, R. F. . . . .	Osceola, Mississippi Cotuny.
Duncan, W. H. . . . .	Conway, Faulkner County.
Edwards, J. C. . . . .	Texarkana, Miller County.
Fortner, W. R. . . . .	Dutch Mills, Washington County.
Garrett, Miss Martha J. . . . .	Fayetteville, Washington County.
Garretson, J. M. . . . .	Cotton Plant, Woodruff County.
Garrison, J. H. . . . .	Prairie Grove, Washington County.
Garrison, J. M. . . . .	Prairie Grove, Washington County.
Gilbreath, Miss L. C. . . . .	Hindsville, Madison County.
Goodman, J. E. . . . .	Springdale, Washington County.
Gordon, C. B. . . . .	Helena, Phillips County.
Gordon, J. M. . . . .	Clopton's Cross Roads, Conway County.
Gregg, W. A. . . . .	Fayetteville, Washington County.
Handley, Miss Tennie . . . . .	Fayetteville, Washington County.
Harris, Miss Laura . . . . .	Red Bluff, Jefferson County.
Harris, L. R. . . . .	Red Bluff, Saline County.
Hill, J. M. . . . .	Fayetteville, Washington County.
Hively, J. S. . . . .	Calico Rock, Izard County.
Hively, M. J. . . . .	Calico Rock, Izard County.
Hively, Miss L. J. . . . .	Pineville, Izard County.
Hobbs, J. F. . . . .	Little Rock, Pulaski County.
Hon, J. M. . . . .	Waldron, Scott County.
Hopkins, F. M. . . . .	Elon, Ashley County.
Howard, E. J. . . . .	La Grange, Lee County.
Hudson, Wm. . . . .	McKenzie's Landing, Jefferson County.
Jackson, Miss Alice. . . . .	Fayetteville, Washington County.
Jarman, S. H. . . . .	Barton, Phillips County.

Jennings, Miss L. L.	Fayetteville, Washington County.
Johnson, D. H.	Johnsonville, Johnson County.
Jones, J. A.	Clopton's Cross Roads, Conway County.
Right, J. M.	Warren, Bradley County.
King, N.	Fort Smith, Sebastian County.
Knight, Miss C. R.	Carlisle, Lonoke County.
Knight, T. L.	Huntsville, Madison County.
Mansfield, G. A.	Ozark, Franklin County.
Marley, B. L.	Elm Springs, Washington County.
Martin, Miss Bettie W.	Helena, Phillips County.
Maxwell, R. S.	Bentonville, Benton County.
Maxwell, T. J.	Avoca, Benton County.
McKenzie, T. W.	Mount Adams, Arkansas County.
Meeks, J. C.	McAlmont, Pulaski County.
Mitchell, M. D.	Bloomfield, Benton County.
Moore, L. H.	Greenbrier, Faulkner County.
Moore, N. B.	Springfield, Conway County.
Morrow, Miss Hucie A.	Boonesboro, Washington County.
Mulholland, Miss Mattie.	Pine Bluff, Jefferson County.
Nevill, C. E.	Pine Bluff, Jefferson County.
Nevill, Miss Jennie A.	Pine Bluff, Jefferson County.
Pearce, B. S.	Magnolia, Columbia County.
Pollard, W. S.	Fayetteville, Washington County.
Prince, Miss Belle R.	Fayetteville, Washington County.
Rainwater, Miss Clem.	Fayetteville, Washington County.
Rice, Samuel A.	Eufaula, Creek Nation.
Robinson, W. S.	Lonoke, Lonoke County.
Roller, J. L.	Avoca, Benton County.
Sewell, J. M.	Roseville, Logan County.
Sewell, Miss Pink A.	Roseville, Logan County.
Sharp, A. B.	Elm Springs, Benton County.
Sharp, J. C.	Elm Springs, Benton County.
Shrewder, T. F.	Danville, Yell County.
Simonds, Miss Hattie H.	Little Rock, Pulaski County.
Simpson, D. M.	Elm Springs, Washington County.
*Slaton, J. M.	Star City, Lincoln County.
Smith H. M.	Dardanelle, Yell County.
Swaim, W. G.	Lonoke, Lonoke County.
Terry, Frank.	Hamburg, Ashley County.
Thompson, F. M.	Hope, Hempstead County.
Trigg, H. W.	Texarkana, Miller County.
Turpen, T. C.	Mount Vernon, Faulkner County.
Vaughan, W. R.	Little Rock, Pulaski County.
Williams, S. J.	Spring Hill, Hempstead County.
Williams, W. B.	Webb City, Franklin County.
Total, 84.	

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#### B. CLASS.

Adkisson, Thomas.	Mount Vernon, Faulkner County.
Beard, Miss Ethel A.	Marianna, Lee County.
Bearden, J. W.	Clopton's Cross Roads, Conway County.
Bryan, Joel E.	McKenzie's Landing, Jefferson County.
Buckner, George.	Hopkinsville, Christian County, Ky.

Cardwell, Miss Nora Belle.....	Fayetteville, Washington County.
Chastain, H. T.....	Elm Springs, Washington County.
Coffey, Miss May Belle.....	Fayetteville, Washington County.
Core, Miss Sue E.....	Plum Bayou, Jefferson County.
Crossnoe, G. W.....	Hope, Hempstead County.
Crouch, Miss Dora A.....	Fayetteville, Washington County.
Dougherty, Henry.....	White Bluffs, Jefferson County.
Dorris, Miss Sudie.....	Pleasant Hill, Franklin County.
Durning, R. A.....	Cass, Franklin County.
Gilmore, C. C.....	Carthage, Missouri.
Gray, Carl R.....	Fayetteville, Washington County.
Gray, M. F.....	Cotton Plant, Woodruff County.
Hall, E. J.....	Canton, Sharp County.
Hanley, A. J.....	Fayetteville, Washington County.
Hively, George S.....	Pineville, Izard County.
Hobson, Miss Hattie May.....	Hot Springs, Garland County.
Hoge, Miss Helen L.....	Bentonville, Benton County.
Holmes, J. T.....	Aplin, Perry County.
Holt, W. J.....	Mount Vernon, Faulkner County.
Jeffries, T. E.....	De View, Woodruff County.
Jelks, Miss Claudia.....	Augusta, Woodruff County.
Jelks, Miss Bettie.....	Augusta, Woodruff County.
Jones, J. A.....	Clopton's Cross Roads, Conway County.
Kelly, W. C.....	Hamburg, Ashley County.
Kersey, J. C.....	Marvell, Phillips County.
Kidd, E. H.....	Fayetteville, Washington County.
King, Miss Ella V.....	Fort Smith, Sebastian County.
Lewis, Fletcher.....	Augusta, Woodruff County.
Lewis, Miss Lena.....	Augusta, Woodruff County.
Leverett, Fred P.....	Fayetteville, Washington County.
Maxwell, T. J.....	Avoca, Benton County.
Mayes, Miss Sallie P.....	Fayetteville, Washington County.
Miller, Miss Lillie E.....	Van Buren, Crawford County.
Mills, Miss Mary Belle.....	Carter's Store, Washington County.
Morrow, John E.....	Boonesboro, Washington County.
Morrow, S. D.....	Pastoria, Jefferson County.
O'Neal, C. C.....	Fayetteville, Washington County.
O'Neill, W. A.....	Fayetteville, Washington County.
Parker, George C.....	Danville, Yell County.
Pierce, J. B.....	Heekato, Lincoln County.
Polson, Miss Mary E.....	S. W. City, McDonald County, Missouri.
Porter, Miss Mamie E. F.....	Jacksonport, Jackson County.
Refeld, L. L.....	Arkansas Post, Arkansas County.
Rice, Ralph P.....	Helena, Phillips County.
Trott, Miss Emma Robbie.....	Fayetteville, Washington County.
Van Cleve, J. C.....	Springfield, Conway County.
Walls, A. J.....	Lonoke, Lonoke County.

Total, 52.

## MUSICAL DEPARTMENT.

## PIANO.

Bates, Lena.....	Fayetteville, Washington County.
Du Val, Annie M.....	Fort Smith, Sebastian County.
Gates, Maria.....	Fayetteville, Washington County.
Gates, Cora.....	Fayetteville, Washington County.
Harvey, Addie.....	Fayetteville, Washington County.
Jennings, Lula.....	Fayetteville, Washington County.
Loekhart, Fannie.....	Springfield, Missouri.
Pearce, Sallie K.....	Osage Mills, Benton County.
Pearce, N. May.....	Osage Mills, Benton County.
Patton, Mattie J.....	Viney Grove, Washington County.
Roleson, Carrie.....	Wittsburg, Cross County.
Scott, Berma.....	Fort Smith, Sebastian County.
Böteführ, Lillie.....	Fayetteville, Washington County.
Böteführ, Beulah.....	Fayetteville, Washington County.
Berry, Ella J.....	Huntsville, Madison County.
Breedlove, C. T.....	Greenwood, Sebastian County.
Core, Sue E.....	Plum Bayou, Jefferson County.
Cravens, Lelia.....	Fayetteville, Washington County.
Crooker, Alma B.....	Hot Springs, Garland County.
Felker, Ginevra A.....	Ozark, Franklin County.
Fisher —.....	Fayetteville, Washington County.
Harkey, Lillie.....	Russellville, Pope County.
Harkey, Dora.....	Russellville, Pope County.
Harkey, Alice.....	Russellville, Pope County.
Harrison, Lida.....	Fayetteville, Washington County.
Harris, Lula.....	Pierce City, Missouri.
Hobson, Hattie M.....	Hot Springs, Garland County.
Jelks, Bettie.....	Augusta, Woodruff County.
King, Ida.....	Fort Smith, Sebastian County.
King, Carrie M.....	Mulberry, Franklin County.
Knight, Carrie R.....	Carlisle, Lonoke County.
Lake, Ella.....	Viney Grove, Washington County.
Lake, Mary.....	Fayetteville, Washington County.
Murdoek, Annie M.....	Harrisburg, Poinsett County.
McKenzie Sallie F.....	Helena, Phillips County.
Manuel, Willie L.....	Fayetteville, Washington County.
Martin, Bettie W.....	Helena, Phillips County.
Paddock, Graeie.....	Fayetteville, Washington County.
Putman, Mary.....	Fayetteville, Washington County.
Pruitt, Florence.....	Russellville, Pope County.
Polson, Mary E.....	S. W. City, McDonald County, Mo.
Rainwater, Sallie.....	Fayetteville, Washington County.
Stone, Amanda.....	Fayetteville, Washington County.
Sewell, Pink A.....	Roseville, Logan County.
Sanders, Cener C.....	Huntsville, Madison County.
Trott, Emma Robbie.....	Fayetteville, Washington County.

Total, 46.

## ORGAN.

Elkins, L. W.....	Fayetteville, Washington County.
Elkins —.....	Fayetteville, Washington County.
Geaslin, Annie.....	Fayetteville, Washington County.
Hauptman, W.....	Fayetteville, Washington County.
Veazey, Lela.....	Dardanelle, Yell County.

Total, 5.

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## VIOLIN.

Atkinson, J. G.....	Star City, Lincoln County.
Botefuhr, Ed. H.....	Fayetteville, Washington County.
Botefuhr, Frank.....	Fayetteville, Washington County.
Botefuhr, Fred.....	Fayetteville, Washington County.
Botefuhr, Charles.....	Fayetteville, Washington County.
Botefuhr, Laura.....	Fayetteville, Washington County.
Carter, M. M.....	Pocahontas, Randolph County.
Davis, T. C.....	Fort Smith, Sebastian County.
Fortner, W. R.....	Dutch Mills, Washington County.
Gates, Howard.....	Fayetteville, Washington County.
Gray, Carl.....	Fayetteville, Washington County.
Harris, Agnes.....	Oseola, Missouri.
Heflen, James.....	Fayetteville, Washington County.
Heflen, K. T.....	Fayetteville, Washington County.
Jones, Gustave.....	Jacksonport, Jackson County.
Jones, A. C.....	Little Rock, Pulaski County.
Jones, S. M.....	Searey, White County.
Jackson, U. L.....	Fayetteville, Washington County.
Jennings, T. A.....	Fayetteville, Washington County.
Knight, F. O.....	Carlisle, Lonoke County.
Massie, Wiley E.....	Fayetteville, Washington County.
Pape, W. B.....	Fort Smith, Sebastian County.
Ross, Z. C.....	Fort Smith, Sebastian County.
Roleson, Fletcher.....	Wittsburg, Cross County.
Turner, S. P.....	Ash Flat, Sharp County.
Tucker, J. L.....	Russellville, Pope County.
Wallis, W. C.....	Hope, Hempstead County.

Total, 28.

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## GUITAR.

Butler, S. L.....	Fayetteville, Washington County.
Black, H. M.....	Fayetteville, Washington County.
Hatchett, B.....	Fayetteville, Washington County.
Jones, Mary.....	Caddo Gap, Montgomery County.
Jelks, Claudia.....	Augusta, Woodruff County.
King, Ida.....	Fort Smith, Sebastian County.
Moore, J. I.....	Vineyard, Phillips County.
Pettigrew, Annie.....	Fayetteville, Washington County.
Putman, Anna.....	Fayetteville, Washington County.
Rainwater, Kate.....	Fayetteville, Washington County.
Sutton, Mary.....	Fayetteville, Washington County.

Total 11.



## VOCAL CULTURE.

Bates, Lena.....	Fayetteville, Washington County.
Botefuhr, Laura.....	Fayetteville, Washington County.
Gates, Maria.....	Fayetteville, Washington County.
Harris, Agnes.....	Osceola, Missouri.
Harvey, Addie.....	Fayetteville, Washington County.
Jennings, Lula.....	Fayetteville, Washington County.
Manuel, Willie L.....	Fayetteville, Washington County.
Pearce, Sallie K.....	Osage Mills, Benton County.

Total 8.

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## SCHOOL OF DRAWING AND PAINTING.

Burrow, Lizzie.....	Alma, Crawford County.
Bates, Lena.....	Fayetteville, Washington County.
Benbrook, Kate.....	Fayetteville, Washington County.
Berry, Ella J.....	Huntsville, Madison County.
Cravens, Nannie.....	Fayetteville, Washington County.
Cox, Alice.....	Carlisle, Lonoke County.
Dickson, Mollie.....	Fayetteville, Washington County.
Gray, Carl.....	Fayetteville, Washington County.
Gray, Ethel.....	Fayetteville, Washington County.
Hill, Hattie.....	Fayetteville, Washington County.
Hobson, Hattie M.....	Hot Springs, Garland County.
Hanley, A. J.....	Fayetteville, Washington County.
Harrison, Joe.....	Fayetteville, Washington County.
Hoge, Helen L.....	Bentonville, Benton County.
Harkey, Dora.....	Russellville, Pope County.
Jones, Fannie.....	Caddo Gap, Montgomery County.
Jackson, Alice.....	Fayetteville, Washington County.
Jennings, Lula.....	Fayetteville, Washington County.
Jennings, Lily L.....	Fayetteville, Washington County.
King, Ella V.....	Fort Smith, Sebastian County.
King, Carrie M.....	Mulberry, Franklin County.
Murdoek, Annie M.....	Harrisburg, Poinsett County.
Morrow, Hueie A.....	Boonesboro, Washington County.
Mulholland, Mattie.....	Pine Bluff, Jefferson County.
Martin, Bettie W.....	Helena, Phillips County.
McClure, Emma.....	Fort Smith, Sebastian County.
Nevill, Jennie A.....	Pine Bluff, Jefferson County.
Newsome, Hubert.....	St. Louis, Missouri.
Pruitt, Florence.....	Russellville, Pope County.
Porter, Mamie E. F.....	Jacksonport, Jackson County.
Putman, Anna.....	Fayetteville, Washington County.
Putman, Mary.....	Fayetteville, Washington County.
Patton, L. Alice.....	Viney Grove, Washington County.
Pettit, Emma.....	Fort Smith, Sebastian County.
Phillips, M. P.....	Huntsville, Madison County.
Prince, Belle R.....	Fayetteville, Washington County.
Reiff, Emma B.....	Fayetteville, Washington County.
Rainwater, Kate.....	Fayetteville, Washington County.
Reed, Lina.....	Fayetteville, Washington County.
Sanders, Cener C.....	Huntsville, Madison County.

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Sanders, Albert.....	Huntsville, Madison County.
Sewell, Pink A.....	Roseville, Logan County.
Sutton, Mollie.....	Fayetteville, Washington County.
Total 44.	

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Total College Classes.....	148
Total Preparatory Department, (not appearing elsewhere).....	232
In Music, (not appearing elsewhere).....	31
In Drawing, (not appearing elsewhere).....	9
Aggregate enrollment.....	420

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Students to enter the Freshman Class of any of the following named Courses, must stand an examination in the studies for each course, as indicated in the Preparatory Department. The Freshman Class entering September 1st, 1879, will not be required to stand an examination in. or pursue the study of Greek.



# COURSE OF STUDY.

## CLASSICAL COURSE.

### FRESHMAN YEAR.

#### FIRST TERM.

Algebra.

Greek.

Latin.

English Diction and Elocution.

French or German (both optional).

#### SECOND TERM.

Geometry.

Greek.

Latin.

English Diction and Elocution.

French or German (optional).

#### THIRD TERM.

Geometry.

Greek.

Latin.

English Diction and Elocution.

French or German (optional).

### SOPHOMORE YEAR.

#### FIRST YEAR.

Plane Trigonometry and Surveying.

Greek.

Latin.

Chemistry Physical.

Linguistics.

#### SECOND TERM.

Analytical Geometry.

Greek.

Latin.

Chemistry (inorganic).

Linguistics.

#### THIRD TERM.

Spherical Trigonometry and Descriptive Geometry.

Greek.

Latin.

Rhetoric.

### JUNIOR YEAR.

#### FIRST TERM.

Latin.

Greek.

Solid Geometry and Differential Calculus.

Rhetoric.

Physiology.

SECOND TERM.

Latin.	Greek.
Differential Calculus.	English Literature.
	Geology.

THIRD TERM.

Latin.	Greek.
Integral Calculus.	English Literature.
	Logic.

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SENIOR YEAR.

FIRST TERM.

History of Civilization.	Elements of Criticism.
General History.	Mental Philosophy.
	Political Economy.

SECOND TERM.

Natural Philosophy.	Moral Philosophy.
Evidences of Christianity.	Civil Polity.
	Constitution of the United States.

THIRD TERM.

Natural Philosophy.	Philology.
International Law.	History of Philosophy.

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NORMAL COURSE.

Leading to the Degree of Bachelor of Letters. Students completing less than the entire course will receive a certificate for the work done.

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FIRST YEAR.

FIRST TERM.

Reading and Orthography.	Arithmetic.
Geography.	English Grammar.
Penmanship.	Latin.
	Principles of Teaching.

SECOND TERM.

Reading and Orthography.	Algebra.
Arithmetic.	Latin.
English Grammar.	Principles of Teaching.

THIRD TERM.

Reading and Orthography.	Algebra.
Arithmetic.	Latin.
English Grammar.	Principles of Teaching.

## SECOND YEAR.

## FIRST TERM.

Algebra.	English Diction and Elocution.
Philosophy.	Latin.
	Methods of Teaching.

## SECOND TERM.

Geometry.	English Diction and Elocution.
Latin.	Natural Philosophy.
	Methods of Teaching.

## THIRD TERM.

Geometry.	English Diction and Elocution.
Latin.	Physical Geography.
	Methods of Teaching.



## THIRD YEAR.

## FIRST TERM.

Plane Trigonometry and Surveying.	Chemistry.
Latin.	Methods of Teaching.

## SECOND TERM.

Analytical Geometry.	Chemistry.
Latin.	Methods of Teaching.

## THIRD TERM.

Spherical Trigonometry.	Latin.
Descriptive Geometry.	Rhetoric.
	Methods of Teaching.



## FOURTH YEAR.

## FIRST TERM.

Latin.	Rhetoric.
Solid Geometry and Differential Calculus.	Physiology.
	Theory of Graded Schools.

## SECOND TERM.

Latin.	Geology.
Differential Calculus.	English Literature.
	Principles of Classification.

## THIRD TERM.

Latin.	Integral Calculus.
English Literature.	School Law.



## FIFTH YEAR.

## FIRST TERM.

History of Civilization.	Mental Philosophy.
Elements of Criticism.	General History.
	Political Economy.

## SECOND TERM.

Natural Philosophy.	Evidences of Christianity.
Moral Philosophy.	Civil Polity,
	Constitution of the United States.

## THIRD TERM.

Natural Philosophy.	International Law.
Philology.	History of Philosophy.

## SCIENTIFIC COURSE.

Applicants for the Freshman Class must pass a satisfactory examination in Reading, Spelling, Penmanship, English Grammar, Geography, United States History, Arithmetic and Algebra, to Equations of the second degree, French and German as required in the A. and Sub-Fresh Classes.

Applicants for advanced standing will have to pass an examination on the back work of the course.

The object of this course is to give an extended and thorough knowledge of the Sciences, and prepare those taking it for Practical Scientific work.

Those who successfully complete the following course will receive the degree of Bachelor of Science.

## FRESHMAN YEAR.

## FIRST TERM.

Algebra.	Physical Geography.
French.	German.
	Drawing.

## SECOND TERM.

Geometry.	French.
German.	Drawing.
	Elocution.

## THIRD TERM.

Botany.	Geometry.
French.	German.
	Elocution.

## SOPHOMORE YEAR.

## FIRST TERM.

Chemical Physics.	Cryptogamic and Economic Botany.
	Plane Trigonometry.

## SECOND TERM

Zoology.  
Laboratory Practice.

Inorganic Chemistry.  
Analytical Geometry.

## THIRD TERM.

Zoology, continued.  
Descriptive Geometry.

Inorganic Chemistry and Laboratory  
Work Continued.  
Rhetoric.

## JUNIOR YEAR.

## FIRST TERM.

Organic Chemistry.  
Blow Pipe Work.

Mineralogy.  
Physiology.

## SECOND TERM.

Geology.  
Excursions and Field Work.

Biology.  
Theoretical Chemistry.

## THIRD TERM.

Qualitative Analysis.

Comparative Anatomy.  
Logic.

## SENIOR YEAR.

## FIRST TERM.

Qualitative Analysis.  
Natural Philosophy.

Industrial Chemistry.  
Electives.

## SECOND TERM.

Industrial Chemistry.

Natural Philosophy.  
Electives.

## THIRD TERM.

Industrial Chemistry.  
Theses on some Scientific Subject.

Natural Philosophy.  
Electives.

## AGRICULTURAL COURSE.

Qualifications the same as for the Scientific Course excepting that French is not obligatory.

The course in Agriculture is based upon the Scientific course, and considers the Sciences underlying, together with branches *especially* Agricultural.

The successful completion of this course, leads to the degree of Bachelor of Agriculture.

## FIRST YEAR.

## FIRST TERM.

Algebra.	Physical Geography.
Lectures on Soils.	English Diction.
	German Drawing.

## SECOND TERM.

Geometry.	Lectures on Soils.
Drawing.	English Diction.
	German.

## THIRD TERM.

Botany.	English Diction.
Drawing.	Geometry.
Orchards.	Propagation of Seedlings.

## SOPHOMORE YEAR.

## FIRST TERM.

Cryptogamic and Economic Botany.	Trigonometry Plane.
Geodesy.	Chemical Physic.

## SECOND TERM.

Inorganic Chemistry and Laboratory Practice.	Zoology.
	Analytical Geometry.

## THIRD TERM.

Inorganic Chemistry and Laboratory Practice.	Descriptive Geometry.
	Rhetoric.
	Zoology.

## JUNIOR YEAR.

## FIRST TERM.

Mineralogy.	Breeding, History, Races, and Management of Stock.
Organic Chemistry.	Physiology.

## SECOND TERM.

Geology.	Entomology.
Farm Machinery.	Chemical Consideration of Soils and Fertilizers.
Road Working.	

## THIRD TERM.

Comparative Anatomy.	Rural Architecture.
Qualitative Analysis.	Farm Accounts.

## SENIOR YEAR.

## FIRST TERM.

Industrial Chemistry.	Physics.
Electives.	Current Agricultural Topics.

## SECOND TERM.

Industrial Chemistry.  
Current Agricultural Topics.

Physics.  
Veterinary Surgery.  
Electives.

## THIRD TERM.

Landscape Gardening.  
Industrial Chemistry.

Physics.  
Theses on Agricultural Subjects.

## COURSE IN ENGINEERING.

## FIRST YEAR.

## FIRST TERM.

Algebra.

Physical Geography.  
French.

English Diction and Elocution.  
German.

## SECOND TERM.

Geometry.

French.  
English Diction and Elocution.

German.

Drawing.

## THIRD TERM.

Geometry.

French.  
English Diction and Elocution.

German.

Drawing.

## SECOND YEAR.

## FIRST TERM.

Plane Trigonometry.

Geodesy.  
Field Work.

Chemical Physics.  
Linguistics.

Drawing.

## SECOND TERM.

Analytical Geometry.  
Drawing.  
Field Work.

Chemistry, (Inorganic and Laboratory  
Work.)  
Linguistics.

## THIRD TERM.

Spherical Trigonometry.  
Roads, Railways, Tunnels and Canals.  
Topographical Drawing.  
Field Work.

Descriptive Geometry.  
Chemistry, (Inorganic and Laboratory  
Work.)  
Rhetoric.

## THIRD YEAR.

## FIRST TERM.

Solid Geometry.  
Perspective Mineralogy.  
Industrial Drawing.

Differential Calculus.  
Chemistry, (Organic.)  
Field Work.  
Rhetoric.



## SECOND TERM.

Differential Calculus.  
Geology.

Higher Geodesy.  
Industrial Drawing.  
Field Work.

## THIRD TERM.

Integral Calculus.  
Qualitative Analysis.  
Industrial Drawing.

Strength of Materials, and Stability of  
Construction.  
Field Work.

## FOURTH YEAR.

## FIRST TERM.

Natural Philosophy.  
Architecture.  
Arches, Bridges, Roofs, etc.

Industrial Chemistry.  
Industrial Drawing.  
Field Work.

## SECOND TERM.

Natural Philosophy.  
Machines and Machinery.

Industrial Chemistry.  
Industrial Drawing.  
Field Work.

## THIRD TERM.

Natural Philosophy.  
Hydraulic Engineering.

Engines.  
Industrial Chemistry.

Essays on some subject of Engineering.

Requirements to enter the Freshman Class of the Engineering Department, are the same as those named for the Scientific.

## PREPARATORY DEPARTMENT.

O. F. RUSSELL, PRINCIPAL.

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In view of the fact that the educational facilities of the State are, with the exception of a few favored localities, such that young persons desirous of a collegiate education are unable properly and sufficiently to prepare themselves to enter the University, there has been established in connection with the same a Preparatory Department, which is intended to be auxiliary to its higher departments.

The Preparatory Department is under the special control of its principal, and the general supervision of the faculty.

There are entitled to free tuition in this department, 350 students, bearing appointments from their respective county judges, as beneficiaries, and 237 as normals.

Beside one Honorary Scholarship to each county, to be selected for superior merit and proficiency from the public schools of such county. Act July 23, 1868, section two.

Students will not be admitted who are unable to enter upon the following—

# COURSE OF STUDY.

## PREPARATORY DEPARTMENT.

### C CLASS.

Reading and Spelling. Grammar, Oral and Spelling.  
 Penmanship. Arithmetic.  
 Geography, Oral and Map Drawing.

### B CLASS.

Reading and Spelling. Grammar and Spelling.  
 Penmanship. Arithmetic.  
 Geography.

### A CLASS.

CLASSICAL.	SCIENTIFIC, ENGINEERING AGRICULTURAL.	ENGLISH.
Arithmetic (completed).	Arithmetic.	Arithmetic (completed).
Latin.	French.	English Grammar.
English Grammar.	German.	Geography.
Reading and Spelling.	English Grammar.	Reading and Spelling.
Penmanship.	Drawing.	Penmanship.

### SUB-FRESHMAN.

CLASSICAL.	SCIENTIFIC.	ENGLISH.
Algebra.	Algebra.	Algebra.
Latin.	French.	English Composition.
Greek.	German.	United States History.
Reading and Spelling.	Drawing.	Reading and Spelling.
Penmanship.	English Composition.	Penmanship.

## DEPARTMENT OF INSTRUCTION.

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### MENTAL AND MORAL SCIENCE.

GEN. D. H. HILL.

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These studies, so admirably adapted to train the mind and cultivate the heart, belong to the President's Department. The former explains the phenomena of the mind, and the best method of employing its faculties in reasoning aright. The latter, by subordinating all the mental powers to divine truth and an enlightened conscience, guards against the seductions of error and the allurements of passion.

### TEXT BOOKS.

Porter's Intellectual Science.

Alexander's Evidences of Christianity.

Wayland's Moral Philosophy. Bowen's Logic.

Townsend's Civil Government.

Perry's Political Economy.

In English Literature—Marsh, Trench and Shepherd.

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### NORMAL DEPARTMENT.

PROF. GATES.

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The design of this department is to train teachers for the common schools of the State.

Applicants must pass a satisfactory examination in the common English branches, in order to enter this department.

In addition to a thorough knowledge of the branches to be taught, the work comprehends:

1. Training in methods of imparting instruction in the branches to be taught.
2. Methods of leading pupils to think and investigate for themselves.
3. How to grade and organize the various kinds of schools.
4. Government or discipline of schools.
5. Duties of teachers as governed by School Law.

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## DEPARTMENT OF LANGUAGES.

PROF. LEVERETT.

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Instruction in this department is distributed into two schools.

### I. SCHOOL OF ANCIENT LANGUAGES.

There are four classes in Latin and the same number in Greek. The mode of instruction is by translations from the Text Books into English, and from English into Latin and Greek. The principles and idioms of the languages are carefully studied, with a view to a better acquaintance with the principles of the English speech.

Due prominence is given to Latin and Greek composition, and also to the Literature and History of Greece and Rome.

Candidates for admission to the Freshman class must come well drilled in Harkness' Grammar and Reader, Latin and Greek, or their equivalents, and must have read two books in Cæsar's Commentaries, and two books of Xenophon's Anabasis.

### TEXT BOOKS.

#### LATIN—FRESHMAN CLASS.

Cæsar Third and Fourth Books.  
Æneid Six Books.

Cicero's Orations against Cataline.  
Exercises in writing Latin Composition.

## SOPHOMORE CLASS.

Latin Composition (completed).

Horace, Odes, Epodes and Selections from Satires and Epistles.

## JUNIOR CLASS.

Tacitus—Germania, Agricola and Annals.

Juvenal's Satires.

## GREEK—FRESHMAN CLASS.

Xenophon's Anabasis (completed)

Harkness' Greek Composition.

Exercises in writing Greek.

## SOPHOMORE CLASS.

Homer, (selections from Iliad).

Herodotus, (selections).

Exercises in writing Greek.

## JUNIOR CLASS.

Demosthenes, (public orations.)

Aristophanes.

Selections from the Lyric Poets.

*Books of Reference:*—Liddell's Rome, Brown's Roman Literature, Smith's History of Greece.

## II. SCHOOL OF MODERN LANGUAGES.

In this school, French and German are taught for one year, viz: The Freshman.

The student is taught first the elementary principles of Grammar and then proceeds at once to translating from these languages into English, and writing as well as translating, orally, English sentences into French and German.

## TEXT BOOKS.

Charles XII.

Moliere.

Corinne.

Selections from Standard Authors.

A course of private reading is required.

Whitney's Grammar.

Whitney's Dictionary.

Goethe. Schiller.

A course of Private Reading is required.

## PURE MATHEMATICS.

PROF. GRAY.

The course of study for the various degrees, is completed in the third term of the Junior year, and embraces Algebra, Geometry, Trigonometry, Analytical Geometry, Descriptive Geometry, Solid Geometry and Calculus.



## ALGEBRA

(taught by use of text and reference books and frequent lectures) is confined to the first term of the Freshman year, and embraces the elementary principles; equations, simple and quadratic; ratio, proportion, progression, inequation and differentiation; indeterminate coefficients; trinomial theorem in development of functions; logarithms; indeterminate analysis; Sturm's theorem and Horner's method of solving higher equations.

## GEOMETRY

(taught by the same methods as mentioned for Algebra) is also confined to the second and third terms of the Freshman year, and embraces the treatment of straight lines, angles and polygons; proportion, with its application to geometrical investigation; the circle and the theorems dependent upon its properties; proportions and measurement of polygons and circles; intersections and relative positions of planes; solid and spherical geometry, and under the subjects, a variety of original and practical problems for class work.

## TRIGONOMETRY

(taught by use of approved text books and familiar lectures) is confined to the first and third term of the Sophomore year; and embraces general propositions in Plane Trigonometry; equations for sines, cosines, etc.; the use of logarithms; oblique and right angled triangles and their projection; Napier's Circular Parts and Analogies; and in order to fix the principles of Plane and Spherical Trigonometry in the mind, applications are made to surveying and navigation.

## TO SURVEYING,

in the theory, adjustment and use of instruments; rectangular surveying, as practiced on government surveys; area of land; finding section corners; retracing old lines; topographical and railroad surveying; field practice, with compass, chain, level and rod;—

## TO NAVIGATION,

by problems in plane sailing ; difference of latitude and longitude ; Mercator's sailing ; computing meridional parts ; sailing in currents ; finding place by solar and lunar observations, practical use of quadrant.

## DESCRIPTIVE GEOMETRY.

is taught in the second term of Sophomore year by lectures, and use of Church or Warren's text books.

## ANALYTICAL GEOMETRY

is taught by lectures and use of text books, and is confined to the third term of the Sophomore and first term of the Junior years, and embraces the Cartesian method of co-ordinates ; construction of equations ; transformation of co-ordinates, and properties of the Conic sections.

## CALCULUS

is taught by the use of text books and familiar lectures, and is confined to the Junior year. This study embraces Differential Calculus applied to the differentiation of algebraic, exponential, logarithmic, trigonometrical and circular functions ; successive differentiation ; differential co-efficients ; implicit and compound functions ; the development of functions ; Maclaurin's formula ; Taylor's formula ; evolutions of indeterminate expressions ; maxima and minima of functions of one variable.

## INTEGRAL CALCULUS.

Elementary rules ; subordinate circular forms ; separation by indeterminate co-efficients ; rationalization ; formula for integration by parts ; integration by infinite series ; successive integration ; method of disposing of the constant of integration.

## TEXT BOOKS.

Algebra—Robinson's University.

Plane Trigonometry—Robinson.

Analytical Geometry—Olney.

Geometry—Robinson.

Surveying and Navigation—Robinson.

Calculus—Olney.

## MILITARY.

PROF. GRAY.

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Instruction in this department is designed to impart to each male student, not physically incapacitated to bear arms, practical instruction in the school of the soldier, of the company, and the battalion; the duties of guards, outposts and pickets.

The drills occur not over three times a week, and, being short, they involve no hardship, while it is manifest that they afford a good health-giving exercise and aid in the development of the physique and manly carriage of the cadet. The entire body of male students is divided into companies which are officered by cadets selected for proficiency in drill, good deportment and scholarship. Cadet officers are regarded as assistants in the enforcement of discipline, and their orders, while on duty, are considered as duly authorized and must be obeyed accordingly.

Cadet officers are expected and required to set examples of military deportment and general good conduct.

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## COURSE IN CHEMISTRY.

PROFS. HARVEY AND CONRAD.

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### CHEMICAL PHYSICS

is studied by the students of all the courses, during the first term of the Sophomore year. It embraces the physical principles requisite to the pursuance of Chemistry.

### INORGANIC CHEMISTRY.

Students in the Scientific, Agricultural, and Engineering Courses, pursue Inorganic Chemistry during the last two terms of the Sophomore year.

The course embraces three hours a week Recitation, and ten hours a week Laboratory work. The important Chemical elements and their principal compounds, are considered as to their occurrence in nature ; physical and chemical properties ; method of manufacture ; prominent uses.

About three hundred experiments are individually performed, illustrating important chemical principles.

Students pay for the chemicals used and apparatus broken. The chemical laboratory is free to all, but a deposit of ten dollars is required to cover expenses, and the surplus, if there is any, is returned.

Classical Students take a short course in Chemistry during the first term of the Sophomore year. It consists of lectures without laboratory work.

### ORGANIC CHEMISTRY

occupies the first term of the Junior year ; is pursued by applicants for all the degrees excepting the A. B. It is taught by text book and lecture, is made practical by selecting for illustration of the principles, compounds of importance. It embraces a consideration of fibre plants, starches, sugars, gums, resins, jellies, oils, fats, soaps, glycerine, candles, leather, inks, dyes, vegetable acids, albumenoids, alkaloids, etc.

### ANALYTICAL CHEMISTRY.

#### QUALITATIVE ANALYSIS

is taught during the third term of the Junior year. The methods of detecting the principal elements and acids in the wet way, will be fully illustrated by the analysis of sets of simple and complex compounds.

The course will consist of six hours per week laboratory work, and recitations upon the principles involved. Students taking the Scientific, Agricultural and Engineering Courses, receive the benefit of Qualitative Analysis.

## QUANTITATIVE ANALYSIS.

is pursued by the Scientific, Agricultural, and Engineering students, during the first term of the Senior year. Students in General Science will analyze, quantitatively, a wide range of compounds.

Agricultural students will confine their attention to soils, fertilizers, foods for animals, etc.

Engineering students will make quantitative determinations of ores, building materials, natural waters, etc.

## INDUSTRIAL CHEMISTRY

occupies the whole of the Senior year. Is pursued by the Students in Science, Agriculture and Engineering. Embraces a study of the chemical principles of the great manufacturing interests of the world. The work will consist of lectures, study of dictionaries and journals upon manufactures.

## AGRICUTURAL CHEMISTRY.

Students taking the course in Agriculture, will consider in the Junior year, the chemical nature of soils and fertilizers, also the relation of plant life to the soil and air.

## CHEMICAL REFERENCE AND TEXT BOOKS.

- |   |   |
|---|---|
| Miller's Chemical Physics.                        | Miller's Organic and Inorganic Chemistry. |
| Eliot and Storer's Manual.                        | Watt's Chemical Dictionary.               |
| Fresenius' Qualitative and Quantitative Analysis. |   |
| Ure's Dictionary of the Arts and Manufactures.    | Wagner's Chemical Technology.             |
| Cooke's Chemical Physics.                         | Appleton's Dictionary of Mechanics.       |
| Crooke's and Rohrig's Metallurgy.                 |   |
| Liebig, Caldwell, Johnston and Johnson's Works.   |   |

## COURSE IN BIOLOGY.

PROFS. HARVEY AND CONRAD.

## BOTANY

begins with the Spring term of the Freshman year, and is continued through the first term of the Sophomore year. Classical and Engineering Students do not study Botany.



The first term is devoted to a consideration of the structure and uses of the organs of plants: together with analysis, classification, and study of the prominent orders of flowering plants.

Students do laboratory work, and prepare one hundred species of plants.

The second term is devoted to a study of the Compositæ, Gramineæ, Cyperaceæ and other difficult orders, together with a course in Cryptogamic and Economic Botany.

#### CRYPTOGAMIC BOTANY

embraces the characters of the equisetums, ferns, mosses, liverworts, ground pines, fungi, lichens, and algæ.

The ferns of the State are classified. The economic value of fungi and lichens is considered, also the prominent forms of injurious fungi.

#### ECONOMIC BOTANY.

embraces a consideration of the uses of plants in the economy of nature and to man. It is considered under the divisions: fibre, food, forage, medicinal and ornamental plants, plants yielding dyes, gums, spices, narcotics, etc.

#### BOTANICAL TEXT AND REFERENCE BOOKS.

Gray's Manual and Lessons.	Wood's Botany.	Gray's Structural Botany.
Sach's Text Book.	Various Catalogues and Government Reports.	
United States Dispensatory.	Gray's Genera Illustrata, etc.	
Torry & Gray's Flora of North America.		

#### COMPARATIVE ZOOLOGY.

This subject occupies the second term of the Sophomore year; embraces morphology, physiology, classification, distribution in time and space, habits and uses of the prominent forms of life. The subject is illustrated by specimens and the use of the compound microscope.



## PHYSIOLOGY.

Advanced Physiology is considered during the first term of the Junior year. It will embrace Physiological Chemistry, Physiology of Man, also Comparative Physiology.

## COMPARATIVE ANATOMY

occupies the third term of the Junior year, and embraces a comparison of the muscular, osseous, nervous, digestive, circulatory and respiratory systems in man, with those of the lower animals.

## ADVANCED BIOLOGY

will occupy one term in the Junior year; will embrace laboratory work and classification.

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The entire course in Biology is taken by the students in Science and Agriculture. The Engineers take no biological studies, but the Classical students take a short course in Human Physiology, Anatomy and Hygiene.

## REFERENCE AND TEXT BOOKS IN ZOOLOGY.

- |   |  |
|---|--|
| Flint and Dalton's Works on Physiology.             | Gray's Anatomy.                                |
| Orton and Nicholson's Works on Comparative Zoology. |  |
| Owen's Physiology and Anatomy of Vertebrates.       |  |
|   | Carpenter's Principles of Comparative Zoology. |
| Darwin's Works.                                     | Cou's Key to North American Birds.             |
| Tenny's Manual of Zoology.                          | Packard's Guide to the Study of Insects.       |
| Flint's Insects injurious to vegetation.            | Various Government Reports.                    |

## COURSE IN GEOLOGY AND MINERALOGY

begins in the Freshman year with *Physical Geography*, when the general surface features of the earth are considered.

## MINERALOGY AND LITHOLOGICAL GEOLOGY.

occupy the first term of the Junior year, and consider rock masses and mineral species. The work is impressed by cabinet specimens and blow-pipe analysis. State minerals receive special consideration.

## DYNAMICAL AND HISTORICAL GEOLOGY

occupy the second term of the Junior year. Succession of strata, characteristic fossils, division of formations into times, ages and periods, geology of the State, methods of conducting geological surveys, field work, succession of strata in this region, economic geology, changes our earth has undergone in rock formations, vegetable and animal life, causes that have and are still modifying the features of the earth.

## TEXT BOOKS.

Dana's Text Books and Manuals.

Lyell's Principles.

Cornell, Guyot and Warren's Physical Geographies.

Geological Surveys of many of the States.

Also Government Reports.

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APPLIED MATHEMATICS.PROF. GORDON.

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For students wishing to pursue the Engineering Course, a course of special training in English, French, German, Elementary Mathematics and Drawing, has been provided; embracing two years in the Preparatory Department, and the first year in Collegiate Department.

The School of Applied Mathematics is designed as the basis of the Engineering Course. The work proper begins with the first term of the second or Sophomore year, and embraces a three years' course in the applications of Pure Mathematics to the solutions of such problems as are constantly presented to the practical engineer.

The course is divided as follows:

## GEODESY.

In this branch are discussed the different methods of surveying and dividing land, whether in large or small tracts, leveling, topographical surveying, general theory and use of field instru-

ments. Students are required to make plats and calculations from data determined by themselves on the field. Higher Geodesy and the projection of maps will be taught in the second term of the third year.

#### PARALLEL PROJECTIONS.

This subject is here extended to more complex problems than are required in pure Mathematics. Each of the systems, orthogonal, axonometric, and oblique are discussed, and students construct the projections of various objects presented.

#### CENTRAL PROJECTIONS.

Under this head the principles of linear perspective are fully considered, and students construct the perspective of various objects both simple and irregular in form.

#### ROADS, RAILWAYS, TUNNELS AND CANALS.

The principles of the construction of each of these are fully presented, and as far as practicable, students are required to apply for themselves these principles in the field, in laying out and staking curves, computing various cuts and fills, etc.

#### STRENGTH OF MATERIALS.

In this branch the power of resistance of different materials and the calculation of the various strains to which they are subjected are taught, and the student is required to apply his knowledge for the solutions of a number of problems relating to the stability of different structures.

#### ARCHES, BRIDGES, ROOFS.

The general principles of the arch and its modifications are given, together with the calculations of its strength. The various kinds of bridges are discussed. Particular attention is paid to the forms of truss used in the construction of roofs. Students make the working drawings for different constructions, and calculate the stability required in the various parts.

## ARCHITECTURE.

This subject is devoted to the consideration of the different ancient orders and their modifications, with a brief history of the same. Special attention is given to the modern styles of public and private buildings. Plans, elevations, and perspective drawings of various kinds of buildings are made by students.

## MACHINES AND MACHINERY.

The subject embraces the gearing of machinery, study of various machines in detail, construction of mill-work, and a course in design.

## HYDRAULIC ENGINEERING.

In this branch of the subject are taught the methods of collecting, conveying and distributing water for city supplies and manufacturing purposes; construction of reservoirs; theory of river and coast improvements, and theory of Hydraulic motors.

## ENGINES.

The student has his attention drawn to the mechanism, working and use of various kinds of steam and gas engines, locomotives, etc.

## DRAWING.

In this course the use of drafting instruments is taught, and the student is gradually led from the representation of simple objects to those more complex in form. The subject extends throughout the entire three years, and is as far as possible made parallel with the above mentioned branches; each student is required to execute for himself such drawings as serve to impress the principles taught under the different subjects.

A drawing room has been fitted up, but each student has to provide himself with suitable drafting instruments. The cost of such a set need not exceed twelve or fifteen dollars.

## FIELD WORK.

This also extends throughout the entire course, students being required to apply their knowledge of the different field instruments to the making of actual surveys, running levels, and calculating the cuts and fills, laying out and staking curves, etc.

## TEXT BOOKS AND WORKS FOR REFERENCE.

Warren's Course—Including "Free Hand Drawing.	Elementary Plane Problems
Elementary Projection Drawing.	Descriptive Geometry. Shades and Shadows.
Linear Perspective."	Trautwine's Pocket Book.
Smith's Topographical Drawing.	Barry's Railway Appliances.
Rankine's Works—Civil Engineering, Machinery and Mill Work.	
Mahan's Civil Engineering.	Vose's Manual for Railway Engineers.

Additions will be given in the form of notes on points where it is deemed necessary.

## DEPARTMENT OF MUSIC.

PROF. BÖTEFÜHR.  

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## PIANO-FORTE.

The course of instruction comprises four years. In case of close attention and extraordinary ability, on the part of the pupil, the required standard may be reached in less time.

## FIRST YEAR.

The first year will be chiefly devoted to the study of the first principles of Music, five-finger exercises, practice of the scales and such intellectual studies as will prepare the pupil for the lighter compositions of Clementi, Kuhlau, Mozart, etc.

## SECOND YEAR.

Practice of the Scales; arpeggios and studies of Czerny, Moschelles, Clementi, etc., and the easier compositions of Mozart, Clementi, Beethoven, etc.

## THIRD YEAR.

Practice of the scales, development of the trill, wrist practice, advance studies of Czerny, Heller, and compositions by Leybach, Fesca, Chopin, Haydn, Beethoven, and others.

## FOURTH YEAR.

Studies of Cramer, Rubinstein, etc., and compositions by Thalberg, Liszt, Hummel, Beethoven, etc.

Great care will be taken to develop a taste in the pupil for the purest and noblest order of Music.

## VOICE CULTURE.

Development of a pure tone. Studies having for their object to render the voice flexible. Studies on expression, breathing, pronunciation, etc. Etudes by Lütgen, Rossini, Marehesi, Coneone, Bordogni.

## VIOLIN.

## FIRST YEAR.

Practice of bowing, finger exercises, Mazas' Instructor.

## SECOND YEAR.

Etudes of Dancla, and instructive arrangements from the Operas.

## THIRD YEAR.

Kaiser's Etudes, Sonatas by Haydn, Schubert, etc.

## FOURTH YEAR.

Kreutzer's Etudes, compositions by De Beriot, Kreutzer, etc.



## TERMS.

## TWO LESSONS PER WEEK.

Piano-Forte, primary scholars.....	\$10 00 per term.
Piano-Forte, advanced scholars.....	15 00 per term.
Voice Culture, class of four, each.....	3 75 per term.
Voice Culture, class of three, each.....	5 00 per term.
Voice Culture, class of two, each.....	7 50 per term.
Voice Culture, private lessons.....	15 00 per term.
Violin, class of five, each.....	3 00 per term.
Violin, class of four, each.....	3 75 per term.
Violin, class of three, each.....	5 00 per term.
Violin, class of two, each.....	7 50 per term.
Violin, private lessons.....	15 00 per term.
Use of piano, one hour per day.....	3 50 per term.

One half of tuition must be paid in advance, balance at the end of the term.

No charge is made to the students for the following work :

The Preparatory Department will receive instructions in Vocal Music once a week.

Collegiates, vocal instruction once a week.

Advanced scholars in music, harmony once a week.

The Philharmonic Society has drill in chorus singing, once a week.

The Concordia Society composed of members advanced in vocal music, has drill in chorus singing, twice a week.

Orchestra meets for practice twice a week.

Certificates of proficiency will be given.

## PREPARATORY COURSE.

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Students are not admitted into this department, until they have become thoroughly familiar with the fundamental principles of Arithmetic, viz: Addition, Multiplication, Division, and first in order and in importance, notation and numeration. In reading, they must be able to understand and intelligibly render specimens of the grade of the Fourth Reader, must have a knowledge of Primary English Grammar, Primary Geography, and the rudiments of penmanship and spelling of ordinary words of the grade of the Fourth Reader.

In reading, the aim will be first, to develop in the student a full, complete and definite meaning of the sentence; 2d, to obtain from the student a natural easy and graceful expression of the entire thought, as expressed in the sentence.

Spelling will be required of students throughout the entire course, and an endeavor made to secure the correct use of letters and other marks in the formation of every word used.

English Grammar will be taught by requiring the students to form sentences of their own as well as to analyze those of others. Thus Grammar and Composition will go hand in hand. The student will gradually be led from the simplest constructions to those the most difficult and abstruse. The instruction of the C class will be oral, but as the comprehension of the student enables him to use books to advantage, they will be placed in his hands.

In arithmetic, processes precede principles, and the object will be to obtain first, a full understanding of methods, then accuracy in work and finally rapidity. The old German proverb "make haste slowly" will be observed. Each recitation will be conducted both orally and in writing. The subject will be taught both as an art and a science.

Oral geography will begin in the C class, with map drawing and familiar lessons concerning known localities, and as the comprehension of the student enables him to use text books to advantage, they will be placed in his hands. Map drawing will be continued until the subject is finished.

Arithmetic is completed in the A year.

Penmanship is taught by the Spencerian system.

Algebra is taught only in the Sub-Freshman class. Students are required to faithfully master everything to equations of the second degree. Much parallel and collateral work is given.

United States History occupies the entire year, at close of which, a rigid examination is had upon the entire ground. It is only required in the English course.

Drawing is only required in the Scientific, Agricultural and Engineering courses. It will be taught only as applied to mathematics and sciences.

French and German are required in the same courses. The elementary principles of the languages are first taught, when the student is exercised in translating into English both written and oral, and the same oral and written translations from English into French and German.

The course in Latin is two years, including the thorough mastery of the 1st and 2d books of Cæsar's Commentaries, as well as the principles of the grammar. The same system of translations as pursued in German and French will be required. Its study is confined to the Classical course.

Greek will be taken up in the Sub-Freshman class, the inflections of the words, the construction of sentences, and translating from Greek to English and from English to Greek required.

#### TEXT BOOKS.

Reading—Osgood.	Penmanship—Spencerian.	English Grammar—Reed & Kellogg.	
Arithmetic—White.	Geography—Monteith.	Latin—Bartholomew.	
French—Otto.	German—Otto.	Algebra—Peck.	Greek—Harkness.
English Composition—Hart.		United States History—Ridpath.	

## MEDICAL DEPARTMENT.

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The Trustees of the Arkansas Industrial University have deemed it expedient to establish a Medical Department, to be located at the city of Little Rock, the Capital of the State.

This Department is designed to afford the young men of the State and surrounding country facilities for the study of the science of medicine, and all its collateral branches, at home, without the great expense incident to long distances of travel, and additional outlay unavoidable to students attending a course of medical lectures abroad, It is also believed that Arkansas offers unusual advantages for obtaining a thorough medical education.

### LOCATION.

Little Rock is situated near the centre of the State. It has now direct railway communication with North, South, East and West. Other roads are in process of construction or projected, so that within a very limited period, railroads will centre in Little Rock from all sections of the State.

The city has, also, during one-half the year, splendid water communication. It has a population of more than 20,000. It is built upon the south bank of the Arkansas River, upon a high, undulating bluff. Its drainage, therefore, is natural and perfect, and its healthfulness superior to any city west of the Mississippi River. In it, epidemics of any character are unknown.

The Deaf Mute and Blind Asylums, State institutions, are located here.

## BUILDING.

We are unable to present any magnificent and imposing structure as the *Medical Department Building*, whose natural vastness and grandeur are calculated to inspire wonder and admiration in students. But arrangements have been perfected through which a very commodious and comfortable building has been secured. It is conveniently situated, and while modest and unpretending in appearance, is well adapted for all purposes of practical instruction.

## HOSPITAL.

The Hospital, under the management of the Ladies' Benevolent Association of the city of Little Rock, will afford ample material for all kinds of clinical instruction in medicine and surgery. The sick, injured and afflicted flock to this institution during the fall, winter and spring months from every section of the country, and students will have an excellent opportunity to observe and study disease in all its various phases; as, also, to witness a large number of surgical operations.

The construction of a new City Hospital is in contemplation. This will increase the advantages of students.

## ANATOMY.

The General Assembly of the State of Arkansas passed an act legalizing dissection, in the winter of 1873. This act is a generous one. No State in the Union possesses a more liberal provision for the prosecution of the study of anatomy. Any amount of material can be procured *legally*, with but a nominal expense to the student. This item alone is one of no small consideration to any zealous laborer in this Department.

## COURSE OF LECTURES.

The Fall Course of Lectures in the Medical Department of the University will commence on Tuesday, October 7, 1879, and continue five months.



These Lectures will be so arranged as to time, as to afford the student the greatest possible advantage. They will have an opportunity to prepare themselves upon the subject of each Lecture.

#### FACULTY.

The Faculty is composed of medical gentlemen, residents of the city of Little Rock, who are well known, and who are personally well qualified for the position they have individually been elected to fill. They are earnest workers in the cause of Medical Science, and will labor zealously to build up a Medical Department that will reflect honor upon the State.

#### GRADED SYSTEM.

The Medical Department of the University have determined to establish a *Voluntary Graded Course* of three years. A number of Medical Colleges having extended the term of instruction an additional year, and as it will be the policy of this Department not only to conform to the demands of the times, but in each and every particular to keep full pace with the requirements exacted of the oldest institutions in the country, it has been decided to inaugurate, at once, the system of a three years' graded course. No student will, therefore, receive a diploma unless he is thoroughly qualified in every branch of the course. Students who have had the most thorough preparation, and who satisfy the Faculty of their being well qualified for graduation, after a searching examination, will be granted a diploma when they have attended two full courses of Lectures, and have pursued their studies the full term of three years.

#### FIRST YEAR.

Anatomy ; Practical Anatomy ; Physiology ; Chemistry.

#### SECOND YEAR.

Anatomy, Surgical and Practical ; Practical Physiology ; Chemistry ; Materia Medica and Therapeutics ; Clinical Medicine and Surgery.



## THIRD YEAR.

Surgery ; Practice of Medicine ; Obstetrics and Gynæcology ; Materia Medica and Therapeutics ; Ophthalmology ; Clinical Medicine and Surgery.

At the end of each term, examinations will be held in these Departments, and certificates of proficiency will be given to those who are qualified.

This plan of instruction is *entirely optional*. Students who prefer to continue their studies on the repetitional system, can do so, but the Faculty strongly urge upon those whose means and opportunities permit, to avail themselves of the increased advantages afforded by the Voluntary Graded Course.

## TEXT-BOOKS.

The Faculty would recommend one or other of the following text-books in the several Departments :

**SURGERY**—Gross, Hamilton, Ashhurst, Holmes, Erichsen, Agnew, Bryant, Gant, Billroth and Esmarch.

**THEORY AND PRACTICE**—Flint, Niemeyer, Bristowe and Aitkin.

**MATERIA MEDICA AND THERAPEUTICS**—National Dispensatory, H. C. Wood and Biddle.

**ANATOMY**—Gray, Wilson, Leidy, MacLise's Surgical Anatomy.

**CHEMISTRY**—Atfield's, Fowne's, Roscoe, Tyson on Urine, Reese's Manual of Toxicology.

**PHYSIOLOGY**—Dalton, Carpenter, Flint, Kirke's Manual

**OBSTETRICS AND DISEASES OF CHILDREN**—Leishman, Plafair, Byford, Cazeaux, Schroeder, Meggs and Pepper on Children.

**DISEASES OF WOMEN**—Thomas, Barnes, Peaslee.

## FEES.

Professors' Tickets.....	\$50 00
Matriculation Ticket (only paid once).....	5 00
Demonstrators' Ticket.....	5 00
Hospital Ticket.....	3 00
Graduation Fee.....	25 00

*Fees for Professors' Tickets and Matriculation must be paid on entering.* For graduation, students are not required to present, for the present, either the Practical Chemical or Practical Physiological Ticket, but the Faculty trust that students' preceptors, realizing the importance of this work, will insist upon

their pupils availing themselves of the advantages of these Departments.

BOARD, ETC.

Boarding can be procured in private families as cheap in Little Rock as in any other city in the country.

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## REQUIREMENTS FOR GRADUATION.

Read the following Articles of confederation of the American College Association, subscribed and conformed to by all the Colleges of the Association :

### ARTICLE I.—OF THE FACULTY.

The medical members of the Faculty must be *regular* graduates or licentiates and practitioners of medicine, in good standing, using the word “regular” in the sense commonly understood in the medical profession.

### ARTICLE II.—OF TUITION.

SECTION 1. The scheme of Tuition shall provide for a yearly systematic course of instruction covering the general topics of Anatomy, including dissections, Physiology, Chemistry, Materia Medica and Therapeutics, Obstetrics, Surgery, Pathology and Practice of Medicine. The Collegiate Session, wherein this course is given, shall be understood as the “regular” session.

SEC. 2. Said regular session shall not be less than twenty weeks in duration ; this section to go in force at and after the session of 1879–80.

SEC. 3. Not more than one regular session, counting the regular session as one of the two courses of instruction required for graduation, shall be held in the same year.

### ARTICLE III.—REQUIREMENTS FOR GRADUATION.

No person, whether a graduate in medicine or not, shall be given a diploma of “Doctor of Medicine,” who shall not have fulfilled the following requirements, *except*, as hereinafter provided for in Article IV.

1. He must produce satisfactory evidence of good moral character, and of having attained the age of twenty-one years.

2. He must file a satisfactory certificate of having studied medicine for at least three years under a *regular* graduate, or licentiate and practitioner of medicine, in good standing, using the word "regular" in the sense commonly understood in the medical profession. No candidate shall be eligible for final examination for graduation, unless his term of three years study shall have been completed, or shall expire at a date not later than three months after the close of the final examinations; this clause to take effect at and after the session of 1879-80.

3. He must file the proper official evidence that, during the above mentioned three years, he has matriculated at some affiliated college or colleges, for two regular sessions, and in the course of the same (except as provided in 4) has attended two full courses of instruction on the seven topics mentioned in Article II. But the *latter*, at least, of the two full courses must have been attended at the college issuing the diploma. No two consecutive courses of instruction shall be held as satisfying the above requirements unless the time between the beginning of the first course and the end of the second, is greater than fifteen months.

4. In case a college shall adopt a systematic graduated scheme of tuition, attendance on the whole of the same shall be equivalent to the requirements mentioned in 3, *provided*, such scheme includes instruction in the seven topics mentioned in Article II., and requires attendance at least two yearly regular Collegiate Sessions of not less than twenty weeks' duration each.

5. The candidate must have passed a personal examination before the Faculty on all seven of the branches of medicine mentioned in Article II.

6. He must have paid in full all College dues, including the graduation fee.

## ARTICLE IV.—OF HONORARY DEGREES.

An honorary degree of "Doctor in Medicine," may be granted in numbers not exceeding one yearly, to distinguished physicians or scientific men of over forty years of age. But in such case the diploma shall bear across its face the word, "Honorary," in conspicuous characters, and the same word shall always be appended to the name of the recipient in all lists of graduates.

## ARTICLE V.—OF FEES.

SECTION 1. All fees shall be paid in lawful money, and no promissory notes, or promises to pay, shall be accepted in lieu of cash for payment of fees.

SEC. 2. No ticket or other certificate of attendance upon college exercises, shall be issued to any student until the dues for the same shall have been fully paid.

SEC. 3. The established fees for the exercises of the regular session, except the matriculation fee, graduation fee, fee for dissections, may be reduced not more than one-half to graduates of other affiliated colleges of less than three years standing, and to under graduates of the same who have already attended two full courses of the instruction of the regular session.

SEC. 4. The same fees may be remitted altogether to a college's own alumni, to graduates of other affiliated colleges of three years standing, (the three years dating from the time of graduation and ending at the close of the regular session for which the tickets are given) to under-graduates who have already attended two full courses of the instruction of the regular session, the latter of which, at least, shall have been in the college making the remission, and to theological students when not candidates for a diploma.

SEC. 5. The same fees may be reduced or remitted to deserving indigent students, to a number not exceeding five per cent. of the number of matriculants at the previous regular session of the college.



SEC. 6. Under no circumstances whatever, other than the above, shall the Faculties or any members of the same, grant, *upon their own authority*, any remissions or reductions of established fees. And it is distinctly understood and agreed, that the Faculties will discountenance and oppose the authorizing by governing boards of individual students upon other than the regularly established charges for their grade.

SEC. 7. Remission or reduction of fees for other exercises than those of the regular session, return to a student of any moneys after payment of fees, or an appropriation of funds of the college for payment of any student's fees, or part thereof, shall be deemed violation of the provisions of this article in regard to remission or reduction of fees.

#### ARTICLE VI.—OF RECOGNITION OF OTHER COLLEGES.

No college shall admit to the privileges accorded in Articles III. and V., the students or graduates of any college which during any period of the student's or graduates pupilage, shall have been excluded from the list of affiliated colleges recognized by the Association.

The Constitution, By-Laws, and Articles of Confederation were signed by the representatives of the following colleges:

#### LIST OF MEMBERS OF THE AMERICAN MEDICAL COLLEGE ASSOCIATION, MAY 14, 1879.

- |  |   |
|--|---|
| 1. Jefferson Medical College.                                    | 14. Kansas City College Physicians and Surgeons.      |
| 2. College Physicians and Surgeons of New York.                  | 15. Miami Medical Association.                        |
| 3. Medical Department of University of Louisville.               | 16. Louisville Medical College.                       |
| 4. Hospital College of Medicine of Louisville.                   | 17. Medical Department Michigan University.           |
| 5. Medical Department University of Iowa.                        | 18. Medical Department University of Louisiana.       |
| 6. Chicago Medical College.                                      | 19. Rush Medical College.                             |
| 7. Medical Department University of Wooster.                     | 20. Women's Medical College of Chicago.               |
| 8. Detroit Medical College.                                      | 21. Bellevue Hospital Medical College.                |
| 9. Cleveland Medical College.                                    | 22. Texas Medical College and Hospital.               |
| 10. Starling Medical College.                                    | 23. Alabama Medical College.                          |
| 11. Medical Department University of Vermont.                    | 24. Medical College of Ohio.                          |
| 12. Medical Department Universities of Nashville and Vanderbilt. | 25. Medical College State of S. Carolina.             |
| 13. Missouri Medical College.                                    | 26. Columbus Medical College.                         |
|  | 27. Medical College of Evansville.                    |
|  | 28. Atlanta Medical College.                          |
|  | 29. Kentucky School of Medicine. (Affiliated Member.) |

*Resolved*, That each confederated college shall publish in its annual circular and catalogue, the names of all confederated and affiliated colleges, beginning with their announcements for 1878-79.

#### REQUISITES FOR GRADUATION.

The candidate must be twenty-one years of age, of good moral character, and must present to the President the requisite evidence of having studied medicine three years, inclusive of attendance upon lectures.

He must have attended two full courses of lectures in a recognized medical college, the last of which shall have been in this Institution.

He must present to the President by the first of February, a thesis, in his own handwriting, on a medical subject. The amount of the graduation fund must be deposited with the thesis; in case of failure to pass a satisfactory examination, the money will be refunded.

A report of any of the clinics will be accepted in lieu of the ordinary thesis.

He must pass a satisfactory examination on anatomy, physiology, chemistry. materia medica, practice and general pathology, obstetrics and diseases of women and children, diseases of eye and ear, and surgery.

## GENERAL INFORMATION.

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This Institution was established in accordance with an Act of Congress, making a grant of land for its benefit, and in accordance with an Act of the General Assembly of this State, carrying out the object of said grant.

### AIM OF THE UNIVERSITY.

The aim of the University is to comply strictly with the Acts of Congress, and the General Assembly of this State, in providing for and establishing it; and in order to this end, the University is "to teach such branches of learning, as are related to agriculture and the mechanic arts, without excluding other scientific and classical studies, and including military tactics."

### LOCATION.

The Arkansas Industrial University is located within the corporate limits of the Town of Fayetteville, Washington County. The location is thought to be unsurpassed by any other locality in the State, in salubrity of climate, beauty of surrounding scenery, fertility of soil, variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

### TERMS AND VACATION.

The Scholastic year of the University, consists of two terms of thirteen weeks each, and one term of fourteen weeks. There is a vacation of one week at Christmas, but no vacation between terms.



The terms commence and end as indicated by the following :

CALENDAR FOR THE SCHOLASTIC YEAR 1879-80:

The Autumn Term will commence on the 1st of September, 1879, and close November 28th, 1879.

The Winter Term will commence December 1st, 1879, and close March 5th, 1880.

The Spring Term will commence March 8th, 1880, and close June 10th, 1880.

DEMERIT AND GRADING SYSTEM.

All violations of University Law, and all neglects of duty, bring upon the student a certain number of demerits proportional to the gravity of the offense, and 200 of these demerits will dismiss him. Every recitation of each student is marked according to its merit, using 100 as the maximum, and the average of all these marks is compounded with the examination and conduct marks, so as to determine the general or final average, and in making up the averages, each study counts in proportion to the number of recitations for the week, while conduct counts with the study taken the greatest number of times per week.

Each demerit received for the term, takes off one-half of one from the deportment mark; thus, if a student have ten demerits, his deportment mark will be 95, which counts as a study mark.

The first man in each class of the Collegiate Department, is indicated in the catalogue by the number 1, and the second by number 2, etc., etc.

REQUIREMENTS.

All male students who have received appointments, as beneficiaries, are required to take a course in agriculture or mechanics, "with permission to elect such other studies as circumstances may allow." This regulation does not apply to students in the Normal Department.

Students in all departments of the University, are required to pursue not less than three distinct studies, and no student can drop or change studies without permission of the Faculty.

All beneficiary and normal students should be present at the opening of the Autumn Term ; and unnecessary delay, either of old students in returning or of new ones reporting, will lead to the forfeiture of their appointments. The strictest attention to study, and most exact punctuality in attendance on recitations, and all other duties, are made the conditions of every student's continuance at the University.

#### RELIGIOUS AND MORAL CULTURE.

Religious services are held every morning and evening in the chapel.

All students are required to attend these exercises, and also to attend the Bible Class, the exercises of which are held in the Chapel on Sunday. Opportunities are afforded for attending church, and students are expected to attend the one of their choice at least once on the Sabbath.

Will parents see that their children are furnished with Bibles on leaving home for the University?

#### EXPENSES.

Board, including fuel, lights and washing, is obtained from \$8 to \$12 per calendar month.

Day boarding can be had for \$5 a month.

All Beneficiary, and Normal, Students, on entering the Preparatory Department, and all *new* students, on entering any of the Collegiate Departments, are required to pay a matriculation fee of \$5.

Tuition is free in all the departments of the University proper. Students entering the Preparatory Department, without either Normal or Beneficiary appointments, are required to pay a tuition fee of \$10 per term, invariably in advance.

No student will be enrolled till all fees are paid.

Text books can be purchased in Fayetteville at publisher's prices.

Students wear such clothing at the University as they have been accustomed to at home, neatness only being required.

#### BOARDING HOUSES.

Students are required to board at such places as are selected by the Faculty, and are under the supervision of the President of the University. No change of boarding-house will be allowed, except at the end of each term, unless under extraordinary circumstances, nor without the permission of the President. This regulation does not apply to students who are residents of Fayetteville, but the parents of such students are expected to see that they conform to the regulations of the University.

#### LABOR.

An unlimited amount of remunerative labor cannot be promised; yet as much as possible will be provided for such as desire to work. While it is true that several students have paid their entire expenses in school by labor, it was done only by the closest economy. So far as the finances of the University will permit, labor will be made remunerative; the rate of wages being fixed from two to ten cents per hour, according to the character of the work performed and the efficiency of the worker.

#### MEANS OF REACHING THE UNIVERSITY.

Students may reach Fayetteville from the South by a daily line of stages from Alma, also from Van Buren and Fort Smith by daily lines of stages; and from the North by daily lines of stages from Pierce City and Neosho. Students on arriving at Fayetteville, must report at once to the President of the University, and will be held responsible for their conduct from the time of their reaching Fayetteville, as much so as if already enrolled.

## DEGREES.

Students who have completed the classical course are entitled to the Degree of Bachelor of Arts; those who have completed the Scientific course, to the Degree of Bachelor of Science; those who have completed the course of Agriculture, to the Degree of Bachelor of Agriculture; and those who have completed the course in Civil Engineering, to the Degree of Civil Engineer.

Students who have completed the Normal Course, are entitled to the Degree of Bachelor of Letters.

Satisfactory examinations in the several courses are required.

## PRIZES.

The Board of Trustees, at their June meeting,

*Resolved*—That a gold medal be offered for the best declamation delivered by not more than four competitors among the *gentlemen* of the Sophomore Class; also a gold medal for the best essay by a *lady* of the Sophomore Class; also a gold medal for the best *original* speech delivered by competitors, two from the Junior, and two from the Senior Class—all to be elected by the Faculty.

Said medals to be awarded by the judges selected by the Board of Trustees.

Prof. Harvey offered a copy of “Sach’s Text Book of Botany, valued at \$12.50, to the student who will add the largest collection of new State plants, exceeding 100 species to the College Herbarium.

A copy of “Dana’s Manual of Geology” for the best consideration of the Geology of Washington County.

Prizes to be awarded by the Board of Visitors, in conjunction with the teachers in the departments mentioned, their information being based on an examination of the work.

Mr. B. H. Stone of Fayetteville, gives annually a gold medal, valued at \$25, for the best essay written by a student of the University; the Faculty of the University selects the subject, and prescribes the method of competition.



Two members of the Board of Trustees have also offered prizes in cash on competitive examination among the students taking the Agricultural Course. For the best essay "on the agricultural resources of the State," the first prize will be \$25, for the second best, the prize will be \$10.

D. Appleton & Co., of New York, offer a prize of \$25, to that Senior who has taken the highest standing in Mathematics during the four years of the Collegiate Course.

The prizes for the year 1878-79 were awarded as follows:

The gold medal for best oration—to Mr. Lawrence Russell, of Russellville.

The gold medal for best declamation—to Mr. John Reed, of Fayetteville.

The silver medal, for second best declamation—to Gustave Jones, Jacksonport.

The stone medal, for best essay—to Mr. Zeno Ross, of Fort Smith.

The Harvey Botanical prize, the best collection of 150 State plants—to Miss Jessica Holliman, of Fayetteville.

#### LIBRARY AND READING ROOM.

The University Library, though at present small, comprises some valuable works, and additions are constantly being made. The last legislature made an appropriation of \$1,000 for this purpose. Nearly all of the newspapers of the State are kept on file in the Library, and students have access to them as well as the books, at certain hours, each day. No Library fee is charged.

#### LITERARY SOCIETIES.

Two Literary Societies ("Mathetian" and "Philomathean") have been organized by students of the College Department proper, and are in successful operation; the latter is composed exclusively of young gentlemen. The Preparatory Department, also, has two societies, the "Phamakopton" and the "Cleosophic" each of which does good work.

## CONTRIBUTIONS.

Contributions are solicited for our Library, Reading Room, Laboratory and Museum.

Any book, paper or manuscript of historical or other value ;

Any piece of chemical, philosophical or mechanical apparatus ;

Any ores, crystals, precious or valuable stones, vegetable or animal fossils, or any other thing that will be a source of information to our students, will be thankfully received.

We hereby designate and request County Superintendents of Public Schools to take charge of and forward to the University, by students or others who may be coming, any of the above-named donations.

## CONTRIBUTIONS TO COLLECTIONS.

The following contributions have been made to the Museum and Cabinets during the year :

Mr. Geo. Taylor, zinc and lead ores, from Oronogo, Mo.

J. B. Sargent, Esq., galena and iron pyrites, from Joplin, Mo.

A. J. Asher, silver bearing quartz, from Virginia City, Nevada.

F. W. Ellis, birds skins of native birds.

J. J. Watson, bird skins of native birds.

Various students have made contributions to the College Herbarium.

## READING ROOM.

The following named papers and periodicals have been furnished to the Library of the University, either by the publishers or by the persons whose names are annexed to them :

Wheeler's Independent, Fort Smith, Ark.

Spirit of Arkansas, Little Rock, Ark.

New York Sun (Prof. Russell) New York.

Russellville Democrat, Russellville, Ark.

Randolph Scalpel, Pocahontas, Ark.

Mountain Home Quid Nunc, Mountain Home, Ark.

The Forrest City Courier, Forrest City, Ark.



Peirce City Record, Peirce City, Mo.  
Southwestern Presbyterian, New Orleans, Mo.  
Weekly World, Helena, Ark.  
Sunday School Times (Prof. Russell) Philadelphia, Pa.  
The Argus, Van Buren, Ark.  
Western Baptist, Little Rock, Ark.  
Explorer and Miner, St. Louis, Mo.  
The Arkansas Yeoman, Helena, Ark.  
Public Ledger, Memphis, Tenn.  
Christian Observer, Louisville, Ky.  
Alma Herald, Alma, Ark.  
Official Gazette of U. S. Patent Office, Washington, D. C.  
Arkansaw Traveller, Conway, Ark.  
Daily Arkansas Democrat (Prof. Russell) Little Rock, Ark.  
Daily Arkansas Gazette (Prof. Russell) Little Rock, Ark.  
Farmers' Review, Chicago, Ill.  
Fort Smith Elevator, Fort Smith, Ark.  
Fort Smith Herald, Fort Smith, Ark.  
White County Beacon, Searcy, Ark.  
Weekly Arkansas Gazette, Little Rock, Ark.  
Batesville Guard, Batesville, Ark.  
Eldorado Eagle, Eldorado, Ark.  
Scientific American, New York City.  
The College Quarterly, Ames, Iowa.  
Ozark Democrat, Ozark, Ark.  
Monroe County Sun, Clarendon, Ark.  
The Monticellonian, Monticello, Ark.  
Logan County Enterprise, Boonville, Ark.  
Lonoke Democrat, Lonoke, Ark.  
Independent Arkansian, Dardanelle, Ark.  
Harrison Times, Harrison, Ark.  
Hope City Times, Hope Ark.  
Musical Record, Boston, Mass.  
Arkansas Sentinel, Fayetteville, Ark.

## CABINET AND MUSEUM.

The collections, in these, are yet inconsiderable, but they are slowly increasing.

## APPARATUS.

The University has been supplied with some excellent philosophical apparatus. Other additions will be made to this, and also to the chemical department, which is already in efficient operation.

## APPOINTMENT OF BENEFICIARIES.

All appointments should be completed, if possible, before the opening of the autumn term. The County Judges, who make the appointments, should prepare duplicate notifications of appointment, one of which will be forwarded to the President of the University, and one to the Secretary of the Board of Trustees: and in case the appointee fails to appear at the University within twenty days after appointment (except in case of sickness), he or she will be regarded as having declined the appointment, in which case it will be the duty of the President of the Faculty to notify the person making the appointment of such a failure, who will make another appointment as soon thereafter as possible, and such other appointee will be required to appear at the University as soon thereafter as possible. The President of the Faculty shall continue to notify appointing officers till their respective number of appointees make their appearance at the University.

## NUMBER OF BENEFICIARIES.

It is provided in sec. 18 of the Act of the General Assembly, establishing the University, that the Board of Trustees shall have power to "prescribe the grade and number of scholarships, and prescribe the rules by which scholars who are to be admit-free shall be elected equally from the various parts of the State." They have, therefore, made provisions for 350 Beneficiaries, who will be entitled to four years free tuition, and

237 Normal students who are also entitled to four years free tuition, who are apportioned among the several counties according to their respective populations by the United States census of 1870, which apportionment is as follows :

COUNTIES.	No. of Beneficiaries entitled to.	No. Normals entitled to.	Vacant Beneficiaries.	Vacant Normals.	COUNTIES.	No. of Beneficiaries entitled to.	No. Normals entitled to.	Vacant Beneficiaries.	Vacant Normals.
Arkansas .....	3	2	3	1	Lee .....	3	2	2	1
Ashley .....	4	3	2	3	Lincoln .....	4	3	4	3
Baxter .....	3	2	3	2	Little River .....	3	2	2	2
Benton .....	10	6	6	2	Logan .....	3	2	2	2
Boone .....	3	2	3	2	Lonoke .....	3	2	1	2
Bradley .....	4	3	3	3	Madison .....	4	3	3	3
Calhoun .....	3	2	3	2	Marion .....	3	2	2	2
Carroll .....	3	2	2	2	Miller .....	3	2	2	2
Chicot .....	6	4	6	4	Mississippi .....	3	2	2	2
Clark .....	7	5	7	5	Monroe .....	6	4	5	4
Clay .....	3	2	3	2	Montgomery .....	2	1	2	1
Columbia .....	6	4	5	3	Nevada .....	3	2	3	2
Conway .....	4	3	3	2	Newton .....	3	2	3	2
Craighead .....	3	2	2	2	Ouachita .....	9	6	8	6
Crawford .....	6	4	5	3	Perry .....	2	1	1	1
Crittenden .....	3	2	3	2	Phillips .....	9	6	5	4
Cross .....	3	2	3	2	Pike .....	3	2	2	2
Dallas .....	3	2	2	2	Poinsett .....	2	1	2	1
Desha .....	3	2	3	2	Polk .....	3	2	3	2
Dorsey .....	3	2	3	2	Pope .....	6	4	5	3
Drew .....	6	4	6	4	Prairie .....	6	4	6	4
Faulkner .....	3	2	1	1	Pulaski .....	21	14	16	14
Franklin .....	6	4	5	4	Randolph .....	4	3	4	3
Fulton .....	3	2	3	2	Saline .....	3	2	2	2
Garland .....	3	2	3	2	Scott .....	4	3	3	3
Grant .....	3	2	3	2	Searcy .....	3	2	3	2
Green .....	4	3	3	3	Sebastian .....	9	6	7	4
Hempstead .....	9	6	7	5	Sevier .....	3	2	3	2
Hot Spring .....	4	3	4	3	Sharp .....	4	3	3	3
Howard .....	3	2	3	2	St. Francis .....	4	3	4	3
Independence .....	9	6	9	6	Stone .....	3	2	3	2
Izard .....	4	3	3	3	Union .....	7	5	7	5
Jackson .....	4	3	3	3	Van Buren .....	3	2	3	2
Jefferson .....	10	7	5	4	Washington .....	13	8	8	8
Johnson .....	6	4	4	4	White .....	7	5	6	5
Lafayette .....	3	2	3	2	Woodruff .....	6	4	2	4
Lawrence .....	4	3	4	3	Yell .....	6	4	6	4

There is also "one Honorary Scholarship to each county to be selected for superior merit and proficiency from the public schools of each county, according to sec. 2, of Act, July 23, 1868.

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A SPLENDID OFFER.

The Trustees of the Arkansas Industrial University, have decided to fix up the old building as a steward's hall. A steward has been elected, who will receive at his table all the students in the building at \$5.50 per month, giving them good, healthy, but not luxurious food. That this benefaction may prove of service to meritorious young men of slender means, the faculty request that each County Judge will recommend one deserving young man from his county. Out of the seventy recommended, thirty will be selected, that being all the house will accommodate. There will be a saving to each boarder of about \$60 in the session. Students recommended by the County Judges must be on the ground the first day of September.

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## FORMS OF NOTICE

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Of Appointment of Beneficiary and Normal Students.

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As much trouble and annoyance is caused by students who have been appointed as Beneficiaries or Normals coming without any evidence of appointment, the following are adopted as the proper forms of notice to be given by the Judge of the County Court to the President of the University, and the Secretary of the Board of Trustees, upon the appointment of Beneficiary or Normal Students by the County Court, or the Judge thereof; in accordance with the sixth section of an act approved March 6, 1875:

[Form 1—Appointment.]

No. ....

(To be given to the student.)

## ARKANSAS INDUSTRIAL UNIVERSITY.

*To whom it may concern:*

I hereby appoint.....of .....  
 County, State of Arkansas, as a Beneficiary (or Normal, as the case may be) to the  
 Arkansas Industrial University.

Given under my hand, this.....day of....., 187..

Send a notice like the following to the President of the University, and one to the Secretary of the Board of Trustees at Fayetteville:

[Form 2—Notice to President of University.]

No .....

## ARKANSAS INDUSTRIAL UNIVERSITY.

.....ARKANSAS. }  
 .....187.. }

*To the.....University:*

I hereby notify you that I have this day appointed.....  
 of.....County, State of Arkansas, as a Beneficiary (or Normal, as the  
 case may be) to the Arkansas Industrial University.

Given under my hand, this.....day of....., 187..

## ENROLLMENT.

Attention is called to the following resolution of the Board of Trustees:

*Resolved*, That the President of the Faculty require every student who appears at the University, to at once repair to the Secretary of the Board for enrollment, and that during the first week in each term he furnish the Secretary with a complete roll noting all Beneficiaries and Normals, and those in the Collegiate course, and that no student be allowed to recite with any class, or to enter the University until properly enrolled.

## DEPOSIT FUND.

All students in Chemistry are required to make a deposit of \$10 with the Secretary of the Board, to pay for chemicals, breakage, etc. So much of this sum as may be left after this outlay has been met, will be returned to each student.



## DEPARTMENT.

The Faculty may refuse to receive any applicant for admission into the University, until he can prove a good moral character, and whenever they are satisfied that the longer continuance of any student in the University is not beneficial to himself, or is injurious to his fellow-students (even though he may be guilty of no gross violation of the College law), they may write to his parents or guardian to withdraw him, and may proceed to dismiss him, should the request not be complied with.

## PROPERTY AND FUNDS.

The property of the University consists of the proceeds of the munificent grant of land by Congress, the bonds of Washington County and the Town of Fayetteville, the appropriations made by the State, and the University farm and lands—amounting in all to \$300,000 in value.

The bonds of the County of Washington, \$100,000, and of the Town of Fayetteville, \$30,000, payable thirty years from date, with interest at the rate of eight per cent. per annum, have by the action of the Board of Trustees, become a portion of the permanent endowment of the University, and will be scrupulously held for that purpose.



## AN ACT

To Regulate the Sale of Ardent Spirits Near the  
Arkansas Industrial University.

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*Be it enacted by the General Assembly of the State of Arkansas:*

SECTION 1. That it shall be unlawful for any person to sell or give away vinous or ardent spirits within three miles of the Arkansas Industrial University, except the same be for medical purposes, as hereinafter provided.

SEC. 2. *Be it further enacted,* That no person shall sell or give away any vinous or ardent spirits within three miles of said University, unless he be a regular practicing physician, and not until he has signed and sworn to an affidavit before the County Clerk of Washington County, and shall have the same duly recorded, which affidavit shall be in the following form: I, ———, do solemnly swear that I am a regular practicing physician; that I will not sell or give away any vinous or ardent spirits to any one unless it be for medical purposes, and believe the kind and quantity will be beneficial in the treatment of the disease under which the patient is suffering.

SEC. 3. *Be it further enacted,* That no one shall be excused from the penalty of this act who may, contrary to its provisions, sell, or cause to be sold, intoxicating drink, by reason of its being put up as bitters, mixed with drugs, or vended as a medicine, except as provided in the foregoing sections.

SEC. 4. *Be it further enacted,* That any person violating any of the provisions of this act shall be deemed guilty of a misdemeanor, and for each offense shall be fined not less than ten nor more than two hundred dollars, and this act shall take effect and be in force from and after its passage.

Approved March 6th, 1875.

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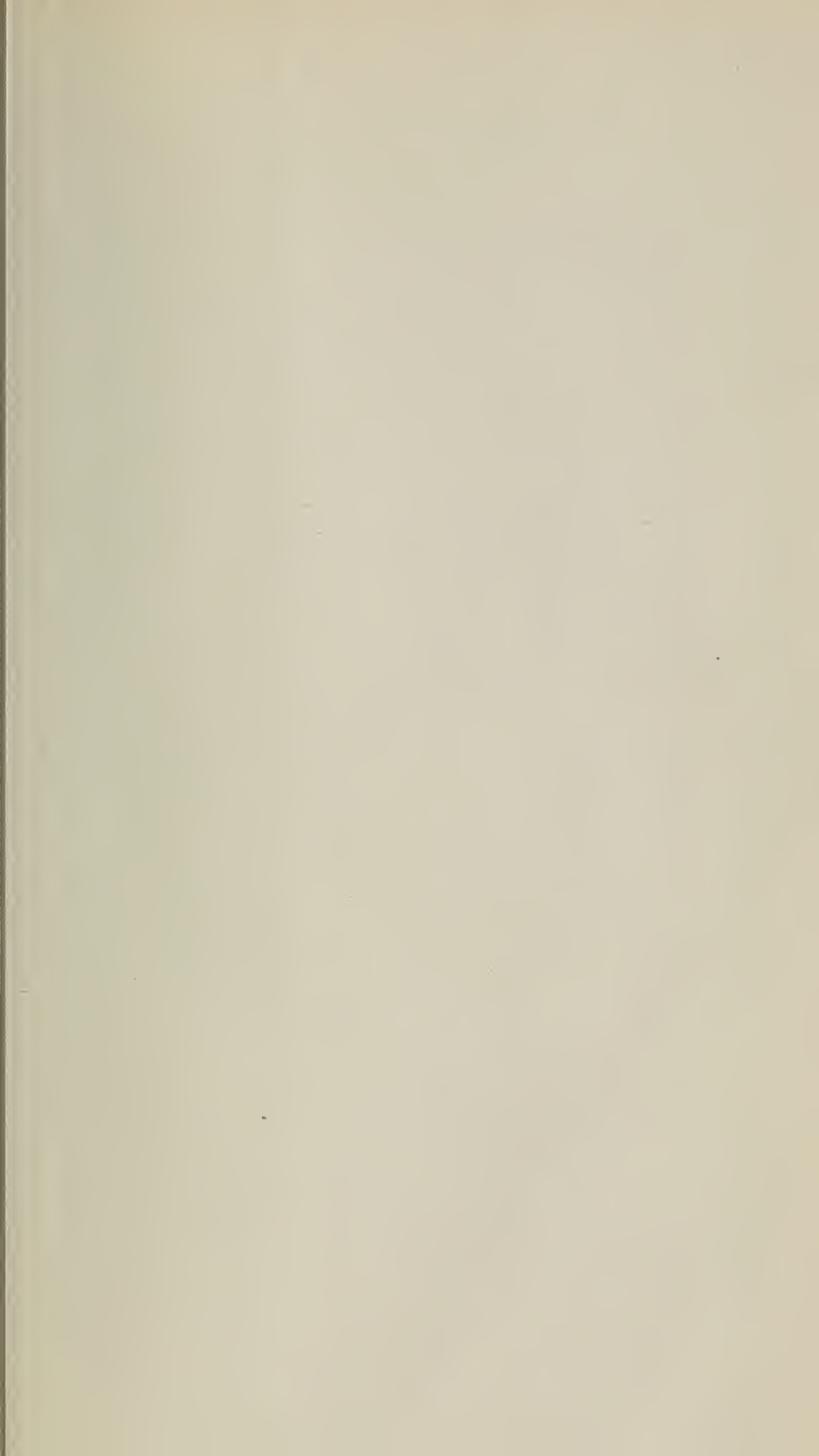
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ARKANSAS INDUSTRIAL UNIVERSITY

1880  
19/80

# SEVENTH ANNUAL CATALOGUE

OF THE

## ARKANSAS



LOCATED AT

FAYETTEVILLE, WASHINGTON COUNTY, ARKANSAS.

FOR YEAR ENDING JUNE 12, 1879,

AND

ANNOUNCEMENT FOR 1879-80.

ORGANIZED SEPTEMBER 18th, 1871.

JUNE 1879.

LITTLE ROCK :

PRINTED BY BLOCHER & MITCHELL, STATE PRINTERS AND BINDERS.

1879.



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1879.



# ARKANSAS INDUSTRIAL UNIVERSITY.



## DIMENSIONS AND CAPACITY.

It is 214 feet long, by 122 feet wide, covering an area of 26,108 square feet. It is five stories high, with French or Mansard roof, covered with slate and tin. The height of the building is 134 feet.

The basement story is built of stone; the foundation is bedded on solid rock. The next three stories are built of brick, and the attic of wood. The basement story is in height, 13 feet in the clear; first and second stories, 16 feet each; third and fourth, 15 feet; the clock and bell towers extending two stories above the attic.

There are ten rooms 77 by 61 feet, ten rooms 22 by 29 feet, ten rooms 22 by 28 feet, ten rooms 22 by 25 feet, ten rooms 22 by 22 feet, ten rooms 22 by 19 feet, five rooms 15 by 28 feet, four rooms 22 by 20 feet, and one room 77 by 50 feet—making a total of seventy rooms. In addition, there are four corridors 15 by 28 feet, and four corridors 14 by 210 feet.

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## COMMITTEE ON PRINTING:

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In Attendance at Commencement, June, 1879.

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# Officers and Instructors.

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*Principal of Normal Department.*

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COL. O. C. GRAY, A. M.,  
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---

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S. E. HARRIS, A. B.,  
*Adjunct Professor of English Literature and History.*

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J. B. GORDON, C. E. and B. Sc.  
*Adjunct Professor of Civil and Mechanical Engineering.*

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C. P. CONRAD, A. M.,  
*Adjunct Professor of Natural Sciences and Chemistry.*

---

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*Professor of Music—aided by competent assistants.*

---

.....  
*Professor of Military Science and Tactics.*

---

LECTURESHIP ON HYGIENE,  
*Under control of Washington County Medical Association.*

---

V. L. GRAY,  
*Teacher of Drawing and Painting.*

---

O. F. RUSSELL,  
*Principal of Preparatory Department.*

---

F. L. SUTTON,  
*Preceptress of Preparatory Department.*

---

BURGESS BALL, A. B.,  
*First Assistant Preparatory Department.*

---

H. B. EDMISTON, A. B.,  
*Second Assistant Preparatory Department.*

---

CAPT. W. F. STIRMAN,  
*University Provost.*

# Medical Department.

## FACULTY.

P. O. HOOPER, M. D.

*Professor of Theory and Practice of Medicine, and President of the Faculty.*

EDWIN BENTLEY, M. D.

*Professor of Institutes and Practice of Surgery.*

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*Professor of Obstetrics and Diseases of Women and Children.*

JAS. A. DIBRELL, JR., M. D.

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CLAIBOURNE WATKINS, M. D.

*Professor of Chemistry and Toxicology.*

---

J. J. JONES, M. D.

L. P. GIBSON, M. D.

*Demonstrators of Anatomy.*

---

T. E. MURRELL, M. D.

*Lecturer on Eye and Ear and Microscopy.*

---

EDWARD CROSS, M. D.

*Lecturer on Gynecology.*

---

GEO. C. HART, M. D.

*Lecturer on Hygiene and Botany.*

---

W. A. CANTRELL, M. D.

*Lecturer on Clinical Medicine.*

---

JAS. H. LENOW, M. D.

*Lecturer on Genito-Urinary Organs.*

---

LOUIS AUGSPATH, D. D. S.

*Lecturer on Dental Surgery.*

---

All communications should be addressed to R. G. JENNINGS, M. D., Secretary.



# CATALOGUE OF STUDENTS

For the Session Commencing September 2d, 1878, and  
Ending June 12th, 1879.

Regular Students in the Collegiate Department are graded in General Department and Scholarship, on the scale of 100. In all the classes except the Senior, the numbers attached to the names indicate rank: No. 1, indicating first rank; No. 2, second rank, etc.

Irregulars, and those taking a Partial Course, are not graded.

The numbers on the left of the names of the Senior Class, indicate the standing in General Department and Scholarship; and those on the right, the standing in Scholarship alone.

## CLASSICAL DEPARTMENT.

### SENIOR CLASS.

Department and Scholarship.	NAME.	RESIDENCE.	Scholarship.
91.5	Butler, H. M.....	Varner Station, Lincoln County.....	88.90
92.97	Floyd, J. C.....	Bentonville, Benton County. ....	91.13
91.18	Harrod, J. H.....	Lonoke, Lonoke County.....	89.98
91.76	Marrs, S. E.....	Viney Grove, Washington County.....	89.82
93.40	Marshall, J. C.....	Avoca, Benton County.....	91.68
91.21	Patton, Miss L. A. ....	Viney Grove, Washington County.....	88.87
92.72	Teague, C. V.....	Toledo, Dorsey County.....	91.32
92.24	Wood, C. D.....	Hamburg, Ashley County.....	90.20

Total, 8.

### JUNIOR CLASS.

6	Carnall, Ella.....	Fort Smith, Sebastian County.
5	Droke, G. W.....	Bentonville, Benton County.
8	Johnson, T. M.....	Wesley, Madison County.
10	King, Artelee A.....	Fort Smith, Sebastian County.
2	Kitchens, T. B.....	Jonesboro, Craighead County.
1	Langford, W. H.....	Eldorado, Union County.
	McClure, Emma.....	Fort Smith, Sebastian County.
4	Miles, O. A.....	Eldorado, Union County.



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12	Patton, Mattie J...	Viney Grove, Washington County.
7	Ross, Z. C.....	Fort Smith, Sebastian County.
3	Russell, Lawrence.....	Russellville, Pope County.
9	Tillman, John N.....	Fayetteville, Washington County.
11	Williams, Naomi J...	Fayetteville, Washington County.
		Total 13.

---

## SOPHOMORE CLASS.

	Bland, O. P.....	Little Rock, Pulaski County.
	Boles, Carrie G.....	Fayetteville, Washington County.
7	Bates, C. O.....	Cincinnati, Washington County.
	Baugh, W. F.....	Fairview, Dallas County.
4	Booth, W. P.....	Vineyard, Phillips County.
	Cravens, Nannie.....	Fayetteville, Washington County.
5	Ellis, F. W.....	Fayetteville, Washington County.
	Felker, Ginevra A.....	Ozark, Franklin County.
9	Gregg, L. W.....	Fayetteville, Washington County.
10	Hicks, J. T.....	Searey, White County.
	Holleman, J. I.....	Fayetteville, Washington County.
	Haskell, L. C.....	Pastoria, Jefferson County.
	Hon, Daniel.....	Waldron, Scott County.
11	Jones, Gustave.....	Jacksonport, Jackson County.
3	Lanier, J. A. M.....	Mountain Home, Baxter County.
	Miller, S. A.....	Van Buren, Crawford County.
	Menard, J. L.....	Chester, Desha County.
	Meek, S. B.....	Johnsville, Bradley County.
8	Moore, J. I.....	Vineyard, Phillips County.
	Pettit, Emma.....	Fort Smith, Sebastian County.
	Rieff, O. S.....	Magazine, Logan County.
2	Ross, T. D.....	Fort Smith, Sebastian County.
	Reed, J. A.....	Fayetteville, Washington County.
	Reed, Lina.....	Fayetteville, Washington County.
6	Rutherford, J. F.....	Billingsley, Washington County.
	Simms, L. M.....	Avoca, Benton County.
	Veazey, Lela.....	Dardanelle, Yell County.
1	Watson, J. J.....	Fayetteville, Washington County.
	Witt, Gibson.....	Conway, Faulkner County.
		Total 29.

---

## SOPHOMORE ENGINEERS.

2	Conner, E. H.....	Augusta, Woodruff County.
1	Lytle, G. E.....	Pine Bluff, Jefferson County.
		Total 2.

---

## FRESHMAN CLASS.

7	Brown, W. D.....	Newtonia, Newton County, Mo.
	Bernard, A.....	Russellville, Pope County.
19	Bobo, C. P.....	Smithville, Lawrence County.
	Bates, Lena.....	Fayetteville, Washington County.

	Boggs, E. B.	Dardanelle, Yell County.
	Boles, Minnie.	Fayetteville, Washington County.
	Burrow, B. M.	Alma, Crawford County.
	Bradley, Jos.	Russellville, Pope County.
14	Bost, A. C.	Clarksville, Johnson County.
	Crandall, J. M.	Charleston, Franklin County.
	Carrigan, A. H.	Washington, Hempstead County.
24	Cravens, Jessie.	Fayetteville, Washington County.
	Campbell, B. F.	Fayetteville, Washington County.
5	Chanslor, C. K.	Washburn, Barry County, Mo.
9	Davis, Jeff.	Russellville, Pope County.
18	Echols, O.	Van Buren, Crawford County.
27	England, W. W.	Evansville, Washington County.
6	Ferguson, J. D.	Mount Adams, Arkansas County.
3	Frost, E. C.	Washburn, Barry County, Mo.
	Hudson, J. T.	Dardanelle, Yell County.
	Harkey, Aliee.	Russellville, Pope County.
16	Hester, Fannie.	Pine Bluff, Jefferson County.
	Halley, R. H.	Waldron, Scott County.
	Highsmith, W. H.	Black Springs, Montgomery County.
29	Herbert, R. O.	Milburn, Izard County.
	Jennings, Tom.	Fayetteville, Washington County.
	Jones, Fannie.	Caddo Gap, Montgomery County.
	Klock, C. F.	Pine Bluff, Jefferson County.
	Kelley, J. H.	Fayetteville, Washington County.
	King, C. M.	Fort Smith, Sebastian County.
	Kelleam, J. M.	Charleston, Franklin County.
	Kuykendall, A. R.	Gainesville, Greene County.
	Keene, G. H.	Viney Grove, Washington County.
26	Madden, D. B.	Camden, Ouachita County.
1	McDonough, J. B.	Charleston, Franklin County.
11	Montgomery, W. P.	Pierce City, Lawrence County, Mo.
21	McClure, J. A.	Fort Smith, Sebastian County.
28	Murdoek, J. W.	Randall, Dorsey County.
	McWhirter, L. D.	Bentonville, Benton County.
17	Mayes, J. F.	Fayetteville, Washington County.
	Myers, Mattie A.	Myers Landing, Sebastian County.
	McFarlane, R. W.	Enterprise, Sebastian County.
	Miller, Jesse.	Mulberry, Franklin County.
23	Mitchell, N. H.	Bloomfield, Benton County.
	McKenzie, J. H.	Helena, Phillips County.
	McKenzie, S. F.	Helena, Phillips County.
	McWhirter, W. G.	Bentonville, Benton County.
	Oates, T. F.	Russellville, Pope County.
12	Pruitt, Florence.	Russellville, Pope County.
22	Pickel, J. W.	Pleasant Hill, Franklin County.
13	Roger, J. T.	Randall, Dorsey County.
	Rainwater, P.	Fayetteville, Washington County.
20	Reed, G. W. M., Jr.	Fayetteville, Washington County.
10	Rogers, P. A.	Spavinaw, Benton County.
31	Stovall, B. L.	Jacksonville, Pulaski County.
	Scott, Berma.	Fort Smith, Sebastian County.
	Stroud, C. W.	Bentonville, Benton County.
8	Shell, G. C.	Augusta, Woodruff County.

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30	Sorrells, T. F.	Warren, Bradley County.
15	Saunders, G. B.	Hopeville, Calhoun County.
	Taliaferro, J. W.	Bentonville, Benton County.
	Tillman, Emma.	Fayetteville, Washington County.
25	Tuck, W. J.	Avoca, Benton County.
	Winfrey, R. B.	Van Buren, Crawford County.
4	Williams, H. B.	Washington, Hempstead County.
2	Williams, J. E.	Washington, Hempstead County.
	Williamson, C. M.	Russellville, Pope County.
	Wood, Maggie.	Van Buren, Crawford County.
		Total, 67.

---

## FRESHMAN ENGINEERS.

3	Brown, C. F.	Van Buren, Crawford County.
1	Jones, A. C.	Little Rock, Pulaski County.
2	Orme, P. B.	Van Buren, Crawford County.
		Total, 3.

---

## PARTIAL COURSE STUDENTS.

---

	Bell, J. H.	Fayetteville, Washington County.
	Corley, W. B.	Bentonville, Benton County.
	Du Val, Annie M.	Fort Smith, Sebastian County.
	Deane, Maggie.	Fayetteville, Washington County.
	Elkins, L. W.	Fayetteville, Washington County.
	Ellenberg, J. J.	Yellville, Marion County.
	Gates, Howard.	Fayetteville, Washington County.
	Hatchett, B.	Fayetteville, Washington County.
	Harris, Lula.	Pierce City, Missouri.
	Jackson, U. L.	Fayetteville, Washington County.
	Jones, Mary.	Caddo Gap, Montgomery County.
	Jones, S. M.	Searey, White County.
	Kelleam, M. S.	Charleston, Franklin County.
	McDaniel, T. W.	Hamburg, Ashley County.
	Pearce, Sallie K.	Osage Mills, Benton County.
	Putman, Mary.	Fayetteville, Washington County.
	Pettigrew, Annie.	Fayetteville, Washington County.
	Roleson, E. J.	Wittsburg, Cross County.
	Roleson, M. E.	Wittsburg, Cross County.
	Roleson, F.	Wittsburg, Cross County.
	Rhodes, Lena.	Fayetteville, Washington County.
	Stone, W. C.	Fayetteville, Washington County.
	Skelton, W. R.	Fayetteville, Washington County.
	Schumaker, C. H.	Hot Springs, Garland County.
	Thompson, J. F.	Cabin Creek, Johnson County.
		Total 25.

## POST GRADUATES.

	Gregg, A. S. Jr.	Fayetteville, Washington County.
		Total 1.

## PREPARATORY DEPARTMENT.

### SUB. FRESH CLASS.

Adair, P. B.....	Ash Flat, Sharp County.
Adair, W. C.....	Ash Flat, Sharp County.
Anderson, G. W.....	Okmulgee, Creek Nation.
Atkinson, J. G.....	Star City, Lincoln County.
Atkins, W.....	Washington, Hempstead County.
Austin, J. C.....	Van Buren, Crawford County.
Barbour, Ed. A.....	Alma, Crawford County.
Barnett, S. W.....	Fayetteville, Washington County.
Bernhold, R.....	Helena, Phillips County.
Berry, Ella J.....	Huntsville, Madison County.
Black, Cora E.....	Fayetteville, Washington County.
Black, H. M.....	Fayetteville, Washington County.
Bowen, L. L.....	Trenton, Phillips County.
Breedlove, C. T.....	Greenwood, Sebastian County.
Briant, W. A.....	Hope, Hempstead County.
Brundage, Carrie E.....	Avoca, Benton County.
Butler, J. W.....	Star City, Lincoln County.
Carden, C. H.....	Bloomer, Sebastian County.
Carson, C. N.....	Jonesboro, Craighead County.
Carrigan, S.....	Washington, Hempstead County.
Carrigan, A. H.....	Washington, Hempstead County.
Carter, M. M.....	Pocahontas, Randolph County.
Chambliss, T. D.....	La Pile, Union County.
Chaney, H. D.....	Arkansas Post, Arkansas County.
Churchill, C. T.....	Little Rock, Pulaski County.
Cloar, B. G.....	Hickman, Fulton County, Kentucky.
Conner, T. J.....	Fayetteville, Washington County.
Conwell, T. E.....	Nimrod, Perry County.
Cox, Alice.....	Carlisle, Lonoke County.
Crooker, Alma B.....	Hot Springs, Garland County.
Davis, T. C.....	Fort Smith, Sebastian County.
Dunagin, J. R.....	Avoca, Benton County.
Durrum, W. E.....	Russellville, Pope County.
Dyer, W. H.....	Alma, Crawford County.
Finley, S. C.....	Trenton, Phillips County.
Frost, J. R.....	Hampton, Calhoun County.
Frost, T. S.....	Washburn, Barry County, Missouri.
Garrett, Martha J.....	Fayetteville, Washington County.
Garretson, C. E.....	Charleston, Franklin County.
Gladden, J. W.....	Jenning's Falls, Yell County.
Goodman, J. E.....	Springdale, Washington County.
Gregg, Mollie E.....	Fayetteville, Washington County.
Hall, E. M.....	Canton, Sharp County.
Hammack, R. M.....	Monticello, Drew County.
Harkey, Dora.....	Russellville, Pope County.
Harkey, Lillie.....	Russellville, Pope County.
Harris, B. A.....	Pierce City, Missouri.

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Head, Hindman C.....	Richmond, Little River County.
Hill, J. M.....	Fayetteville, Washington County.
Hudson, Wm.....	McKenzie's Landing, Jefferson County.
Jarman, S. H.....	Barton, Phillips County.
Jones, G. W.....	Caddo Gap, Montgomery County.
Jones, Jno. A. McE.....	Barton, Phillip's County.
Kelly, L. W.....	Malvern, Hot Spring County.
Kenner, J. F.....	Osage, Carroll County.
Kight, J. M.....	Warren, Bradley County.
King, Belle.....	White Bluff, Jefferson County.
King, Carrie M.....	Mulberry, Franklin County.
Knight, F. O.....	Carlisle, Lonoke County.
Laey, Mamie H.....	Van Buren, Crawford County.
Lake, Ella.....	Viney Grove, Washington County.
Lee, E. P.....	Bentonville, Benton County.
Lee, John I.....	Bentonville, Benton County.
Leverett, Julia B. ....	Fayetteville, Washington County.
Lockhart, Fannie.....	Springfield, Missouri.
Manuel, Willie L.....	Fayetteville, Washington County.
Massie, Julia J.....	Fayetteville, Washington County.
Maxwell, B. R.....	De Witt, Arkansas County.
Maxwell, M. J.....	De Witt, Arkansas County.
Maxwell, R. S.....	Bentonville, Benton County.
McCart, W. W.....	Fayetteville, Washington County.
McCary, L.....	Washburn, Barry County, Missouri.
McCollom, R. C.....	Fayetteville, Washington County.
McHenry, R. D.....	Jacksonville, Pulaski County.
McNeill, A. F.....	Red Bluff, Jefferson County.
Merrill, S. G.....	Van Buren, Crawford County.
Moses, N. N.....	Hampton, Calhoun County.
Murdoek, Annie May.....	Harrisburg, Poinsett County.
Nevill, C. E.....	Pine Bluff, Jefferson County.
Nichol, B.....	Pine Bluff, Jefferson County.
Odle, Katie L.....	Helena, Phillip's County.
Paddock, C. B.....	Fayetteville, Washington County.
Pape, W. P.....	Fort Smith, Sebastian County.
Pearee, N. May.....	Osage Mills, Benton County.
Pearee, S. H.....	Magnolia, Columbia County.
Pearee, B. H.....	Magnolia, Columbia County.
Peel, D. W.....	Bentonville, Benton County.
Phillips, M. P.....	Huntsville, Madison County.
Porter, Jno. J.....	Helena, Phillip's County.
Puckett, J. W.....	Avoca, Benton County.
Quarles, Geo. R.....	Hope, Hempstead County.
Reinaeh, J. L.....	Pine Bluff, Jefferson County.
Reiff, Emma B.....	Fayetteville, Washington County.
Reynolds, Johnanna.....	Fayetteville, Washington County.
Rudolph, B. A.....	Fayetteville, Washington County.
Sanders, Cener C. ....	Huntsville, Madison County.
Sanders, N. L.....	Huntsville, Madison County.
Schumaker, C. H.....	Hot Springs, Garland County.
Sheffy, J. K.....	Mount Vernon, Faulkner County.
Shugart, L. O.....	Princeton, Dallas County.
Simpson, D. M.....	Elm Springs, Washington County.



Sliger, L. P.	Helena, Phillips County.
Snyder, W. E.	Pine Bluff, Jefferson County.
Stroup, Henry	Webb City, Franklin County.
Thompson, Nellie.	White Bluff, Jefferson County.
Tilles, A. C.	Fort Smith, Sebastian County.
Tucker, J. L.	Russellville, Pope County.
Turner, S. P.	Ash Flat, Sharp County.
Utley, W. W.	Mount Vernon, Faulkner County.
Vaughan, W. R.	Little Rock, Pulaski County.
Wallis, W. C.	Hope, Hempstead County.
White, John D.	Van Buren, Crawford County.
Total, 112.	

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A. CLASS.

Abercrombie, G. W.	Sulphur Springs, Benton County.
Asher, A. J.	Alexandria, Arizona Territory.
Atkinson, J. G.	Star City, Lincoln County.
Black, J. S.	Bentonville, Benton County.
Black, H. M.	Fayetteville, Washington County.
Blake, C. F.	Bell's Store, Nevada County.
Botefuhr, Miss Lillie K.	Fayetteville, Washington County.
Burks, C. G.	Monticello, Drew County.
Burrow, Miss Lizzie M.	Alma, Crawford County.
Cannon, J. H.	Osage Mills, Benton County.
Carter, M. M.	Pocahontas, Randolph County.
Damron, J. B.	Fayetteville, Washington County.
Driver, R. F.	Osceola, Mississippi Cotunty.
Duncan, W. H.	Conway, Faulkner County.
Edwards, J. C.	Texarkana, Miller County.
Fortner, W. R.	Dutch Mills, Washington County.
Garrett, Miss Martha J.	Fayetteville, Washington County.
Garretson, J. M.	Cotton Plant, Woodruff County.
Garrison, J. H.	Prairie Grove, Washington County.
Garrison, J. M.	Prairie Grove, Washington County.
Gilbreath, Miss L. C.	Hindsville, Madison County.
Goodman, J. E.	Springdale, Washington County.
Gordon, C. B.	Helena, Phillips County.
Gordon, J. M.	Clopton's Cross Roads, Conway County.
Gregg, W. A.	Fayetteville, Washington County.
Handley, Miss Tennie	Fayetteville, Washington County.
Harris, Miss Laura.	Red Bluff, Jefferson County.
Harris, L. R.	Red Bluff, Saline County.
Hill, J. M.	Fayetteville, Washington County.
Hively, J. S.	Calico Rock, Izard County.
Hively, M. J.	Calico Rock, Izard County.
Hively, Miss L. J.	Pineville, Izard County.
Hobbs, J. F.	Little Rock, Pulaski County.
Hon, J. M.	Waldron, Scott County.
Hopkins, F. M.	Elon, Ashley County.
Howard, E. J.	La Grange, Lee County.
Hudson, Wm.	McKenzie's Landing, Jefferson County.
Jackson, Miss Alice.	Fayetteville, Washington County.
Jarman, S. H.	Barton, Phillips County.



Jennings, Miss L. L.....	Fayetteville, Washington County.
Johnson, D. H.....	Johnsonville, Johnson County.
Jones, J. A.....	Clopton's Cross Roads, Conway County.
Kight, J. M.....	Warren, Bradley County.
King, N.....	Fort Smith, Sebastian County.
Knight, Miss C. R.....	Carlisle, Lonoke County.
Knight, T. L.....	Huntsville, Madison County.
Mansfield, G. A.....	Ozark, Franklin County.
Marley, B. L.....	Elm Springs, Washington County.
Martin, Miss Bettie W.....	Helena, Phillips County.
Maxwell, R. S.....	Bentonville, Benton County.
Maxwell, T. J.....	Avoca, Benton County.
McKenzie, T. W.....	Mount Adams, Arkansas County.
Meeks, J. C.....	MeAlmont, Pulaski County.
Mitchell, M. D.....	Bloomfield, Benton County.
Moore, L. H.....	Greenbrier, Faulkner County.
Moore, N. B.....	Springfield, Conway County.
Morrow, Miss Hucie A.....	Boonesboro, Washington County.
Mulholland, Miss Mattie.....	Pine Bluff, Jefferson County.
Nevill, C. E.....	Pine Bluff, Jefferson County.
Nevill, Miss Jennie A.....	Pine Bluff, Jefferson County.
Pearce, B. S.....	Magnolia, Columbia County.
Pollard, W. S.....	Fayetteville, Washington County.
Prince, Miss Belle R.....	Fayetteville, Washington County.
Rainwater, Miss Clem.....	Fayetteville, Washington County.
Rice, Samuel A.....	Eufaula, Creek Nation.
Robinson, W. S.....	Lonoke, Lonoke County.
Roller, J. L.....	Avoca, Benton County.
Sewell, J. M.....	Roseville, Logan County.
Sewell, Miss Pink A.....	Roseville, Logan County.
Sharp, A. B.....	Elm Springs, Benton County.
Sharp, J. C.....	Elm Springs, Benton County.
Shrewder, T. F.....	Danville, Yell County.
Simonds, Miss Hattie H.....	Little Rock, Pulaski County.
Simpson, D. M.....	Elm Springs, Washington County.
*Slaton, J. M.....	Star City, Lincoln County.
Smith H. M.....	Dardanelle, Yell County.
Swaim, M. G.....	Lonoke, Lonoke County.
Terry, Frank.....	Hamburg, Ashley County.
Thompson, F. M.....	Hope, Hempstead County.
Trigg, H. W.....	Texarkana, Miller County.
Turpen, T. C.....	Mount Vernon, Faulkner County.
Vaughan, W. R.....	Little Rock, Pulaski County.
Williams, S. J.....	Spring Hill, Hempstead County.
Williams, W. B.....	Webb City, Franklin County.
Total, 84.	

## B. CLASS.

Adkisson, Thomas.....	Mount Vernon, Faulkner County.
Beard, Miss Ethel A.....	Marianna, Lee County.
Bearden, J. W.....	Clopton's Cross Roads, Conway County.
Bryan, Joel E.....	McKenzie's Landing, Jefferson County.
Buckner, George.....	Hopkinsville, Christian County, Ky.

Cardwell, Miss Nora Belle.....	Fayetteville, Washington County.
Chastain, H. T.....	Elm Springs, Washington County.
Coffey, Miss May Belle.....	Fayetteville, Washington County.
Core, Miss Sue E.....	Plum Bayou, Jefferson County.
Crossnoc, G. W.....	Hope, Hempstead County.
Crouch, Miss Dora A.....	Fayetteville, Washington County.
Dougherty, Henry.....	White Bluffs, Jefferson County.
Dorris, Miss Sudie .....	Pleasant Hill, Franklin County.
Durning, R. A.....	Cass, Franklin County.
Gilmore, C. C.....	Carthage, Missouri.
Gray, Carl R.....	Fayetteville, Washington County.
Gray, M. F.....	Cotton Plant, Woodruff County.
Hall, E. J.....	Canton, Sharp County.
Hanley, A. J.....	Fayetteville, Washington County.
Hively, George S.....	Pineville, Izard County.
Hobson, Miss Hattie May.....	Hot Springs, Garland County.
Hoge, Miss Helen L.....	Bentonville, Benton County.
Holmes, J. T.....	Aplin, Perry County.
Holt, W. J.....	Mount Vernon, Faulkner County.
Jeffries, T. E.....	De View, Woodruff County.
Jelks, Miss Claudia.....	Augusta, Woodruff County.
Jelks, Miss Bettie.....	Augusta, Woodruff County.
Jones, J. A.....	Clopton's Cross Roads, Conway County.
Kelly, W. C.....	Hamburg, Ashley County.
Kersey, J. C.....	Marvell, Phillips County.
Kidd, E. H.....	Fayetteville, Washington County.
King, Miss Ella V.....	Fort Smith, Sebastian County.
Lewis, Fletcher.....	Augusta, Woodruff County.
Lewis, Miss Lena.....	Augusta, Woodruff County.
Leverett, Fred P.....	Fayetteville, Washington County.
Maxwell, T. J.....	Avoca, Benton County.
Mayes, Miss Sallie P.....	Fayetteville, Washington County.
Miller, Miss Lillie E.....	Van Buren, Crawford County.
Mills, Miss Mary Belle.....	Carter's Store, Washington County.
Morrow, John E.....	Boonesboro, Washington County.
Morrow, S. D.....	Pastoria, Jefferson County.
O'Neal, C. C.....	Fayetteville, Washington County.
O'Neill, W. A.....	Fayetteville, Washington County.
Parker, George C.....	Danville, Yell County.
Pierce, J. B.....	Heckatoo, Lincoln County.
Polson, Miss Mary E. ....	S. W. City, McDonald County, Missouri.
Porter, Miss Mamie E. F.....	Jacksonport, Jackson County.
Refeld, L. L.....	Arkansas Post, Arkansas County.
Rice, Ralph P.....	Helena, Phillips County.
Trott, Miss Emma Robbie.....	Fayetteville, Washington County.
Van Cleve, J. C.....	Springfield, Conway County.
Walls, A. J.....	Lonoke, Lonoke County.

Total, 52.

## MUSICAL DEPARTMENT.

### PIANO.

Bates, Lena.....	Fayetteville, Washington County.
Du Val, Annie M.....	Fort Smith, Sebastian County.
Gates, Maria.....	Fayetteville, Washington County.
Gates, Cora.....	Fayetteville, Washington County.
Harvey, Addie.....	Fayetteville, Washington County.
Jennings, Lula.....	Fayetteville, Washington County.
Lockhart, Fannie.....	Springfield, Missouri.
Pearce, Sallie K.....	Osage Mills, Benton County.
Pearce, N. May.....	Osage Mills, Benton County.
Patton, Mattie J.....	Viney Grove, Washington County.
Roleson, Carrie.....	Wittsburg, Cross County.
Scott, Berna.....	Fort Smith, Sebastian County.
Böteführ, Lillie.....	Fayetteville, Washington County.
Böteführ, Beulah.....	Fayetteville, Washington County.
Berry, Ella J.....	Huntsville, Madison County.
Breedlove, C. T.....	Greenwood, Sebastian County.
Core, Sue E.....	Plum Bayou, Jefferson County.
Cravens, Lelia.....	Fayetteville, Washington County.
Crooker, Alma B.....	Hot Springs, Garland County.
Felker, Ginevra A.....	Ozark, Franklin County.
Fisher —.....	Fayetteville, Washington County.
Harkey, Lillie.....	Russellville, Pope County.
Harkey, Dora.....	Russellville, Pope County.
Harkey, Alice.....	Russellville, Pope County.
Harrison, Lida.....	Fayetteville, Washington County.
Harris, Lula.....	Pierce City, Missouri.
Hobson, Hattie M.....	Hot Springs, Garland County.
Jelks, Bettie.....	Augusta, Woodruff County.
King, Ida.....	Fort Smith, Sebastian County.
King, Carrie M.....	Mulberry, Franklin County.
Knight, Carrie R.....	Carlisle, Lonoke County.
Lake, Ella.....	Viney Grove, Washington County.
Lake, Mary.....	Fayetteville, Washington County.
Murdock, Annie M.....	Harrisburg, Poinsett County.
McKenzie Sallie F.....	Helena, Phillips County.
Manuel, Willie L.....	Fayetteville, Washington County.
Martin, Bettie W.....	Helena, Phillips County.
Paddock, Gracie.....	Fayetteville, Washington County.
Putman, Mary.....	Fayetteville, Washington County.
Pruitt, Florence.....	Russellville, Pope County.
Polson, Mary E.....	S. W. City, McDonald County, Mo.
Rainwater, Sallie.....	Fayetteville, Washington County.
Stone, Amanda.....	Fayetteville, Washington County.
Sewell, Pink A.....	Roseville, Logan County.
Sanders, Cener C.....	Huntsville, Madison County.
Trott, Emma Robbie.....	Fayetteville, Washington County.

Total, 46.

## ORGAN.

Elkins, L. W.....	Fayetteville, Washington County.
Elkins —.....	Fayetteville, Washington County.
Geaslin, Annie.....	Fayetteville, Washington County.
Hauptman, W.....	Fayetteville, Washington County.
Veazey, Lela.....	Dardanelle, Yell County.
Total, 5.	

## VIOLIN.

Atkinson, J. G.....	Star City, Lincoln County.
Botefuhr, Ed. H.....	Fayetteville, Washington County.
Botefuhr, Frank.....	Fayetteville, Washington County.
Botefuhr, Fred.....	Fayetteville, Washington County.
Botefuhr, Charles.....	Fayetteville, Washington County.
Botefuhr, Laura.....	Fayetteville, Washington County.
Carter, M. M.....	Pocahontas, Randolph County.
Davis, T. C.....	Fort Smith, Sebastian County.
Fortner, W. R.....	Dutch Mills, Washington County.
Gates, Howard.....	Fayetteville, Washington County.
Gray, Carl.....	Fayetteville, Washington County.
Harris, Agnes.....	Osecola, Missouri.
Heflen, James.....	Fayetteville, Washington County.
Heflen, K. T.....	Fayetteville, Washington County.
Jones, Gustave.....	Jacksonport, Jackson County.
Jones, A. C.....	Little Rock, Pulaski County.
Jones, S. M.....	Searey, White County.
Jackson, U. L.....	Fayetteville, Washington County.
Jennings, T. A.....	Fayetteville, Washington County.
Knight, F. O.....	Carlisle, Lonoke County.
Massie, Wiley E.....	Fayetteville, Washington County.
Pape, W. B.....	Fort Smith, Sebastian County.
Ross, Z. C.....	Fort Smith, Sebastian County.
Roleson, Flecher.....	Wittsburg, Cross County.
Turner, S. P.....	Ash Flat, Sharp County.
Tucker, J. L.....	Russellville, Pope County.
Wallis, W. C.....	Hope, Hempstead County.
Total, 28.	

## GUITAR.

Butler, S. L.....	Fayetteville, Washington County.
Black, H. M.....	Fayetteville, Washington County.
Hatchett, B.....	Fayetteville, Washington County.
Jones, Mary.....	Caddo Gap, Montgomery County.
Jelks, Claudia.....	Augusta, Woodruff County.
King, Ida.....	Fort Smith, Sebastian County.
Moore, J. I.....	Vineyard, Phillips County.
Pettigrew, Annie.....	Fayetteville, Washington County.
Putman, Anna.....	Fayetteville, Washington County.
Rainwater, Kate.....	Fayetteville, Washington County.
Sutton, Mary.....	Fayetteville, Washington County.
Total 11.	

## VOCAL CULTURE.

Bates, Lena.....	Fayetteville, Washington County.
Botefuhr, Laura.....	Fayetteville, Washington County.
Gates, Maria.....	Fayetteville, Washington County.
Harris, Agnes.....	Osceola, Missouri.
Harvey, Addie.....	Fayetteville, Washington County.
Jennings, Lula.....	Fayetteville, Washington County.
Manuel, Willie L.....	Fayetteville, Washington County.
Pearce, Sallie K.....	Osage Mills, Benton County.

Total 8.

## SCHOOL OF DRAWING AND PAINTING.

Burrow, Lizzie.....	Alma, Crawford County.
Bates, Lena.....	Fayetteville, Washington County.
Benbrook, Kate.....	Fayetteville, Washington County.
Berry, Ella J.....	Huntsville, Madison County.
Cravens, Nammie.....	Fayetteville, Washington County.
Cox, Alice.....	Carlisle, Lonoke County.
Diekson, Mollie.....	Fayetteville, Washington County.
Gray, Carl.....	Fayetteville, Washington County.
Gray, Ethel.....	Fayetteville, Washington County.
Hill, Hattie.....	Fayetteville, Washington County.
Hobson, Hattie M.....	Hot Springs, Garland County.
Hanley, A. J.....	Fayetteville, Washington County.
Harrison, Joe.....	Fayetteville, Washington County.
Hoge, Helen L.....	Bentonville, Benton County.
Harkey, Dora.....	Russellville, Pope County.
Jones, Fannie.....	Caddo Gap, Montgomery County.
Jackson, Alice.....	Fayetteville, Washington County.
Jennings, Lula.....	Fayetteville, Washington County.
Jennings, Lily L.....	Fayetteville, Washington County.
King, Ella V.....	Fort Smith, Sebastian County.
King, Carrie M.....	Mulberry, Franklin County.
Murdock, Annie M.....	Harrisburg, Poinsett County.
Morrow, Hueie A.....	Boonesboro, Washington County.
Mulholland, Mattie.....	Pine Bluff, Jefferson County.
Martin, Bettie W.....	Helen, Phillips County.
McClure, Emma.....	Fort Smith, Sebastian County.
Nevill, Jennie A.....	Pine Bluff, Jefferson County.
Newsome, Hubert.....	St. Louis, Missouri.
Pruitt, Florence.....	Russellville, Pope County.
Porter, Mamie E. F.....	Jacksonport, Jackson County.
Putman, Anna.....	Fayetteville, Washington County.
Putman, Mary.....	Fayetteville, Washington County.
Patton, L. Alice.....	Viney Grove, Washington County.
Pettit, Emma.....	Fort Smith, Sebastian County.
Phillips, M. P.....	Huntsville, Madison County.
Prince, Belle R.....	Fayetteville, Washington County.
Reiff, Emma B.....	Fayetteville, Washington County.
Rainwater, Kate.....	Fayetteville, Washington County.
Reed, Lina.....	Fayetteville, Washington County.
Sanders, Cener C.....	Huntsville, Madison County.



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Sanders, Albert.....	Huntsville, Madison County.
Sewell, Pink A.....	Roseville, Logan County.
Sutton, Mollie.....	Fayetteville, Washington County.
Total 44.	

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Total College Classes.....	148
Total Preparatory Department, (not appearing elsewhere).....	232
In Music, (not appearing elsewhere).....	31
In Drawing, (not appearing elsewhere).....	9
Aggregate enrollment.....	420

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Students to enter the Freshman Class of any of the following named Courses, must stand an examination in the studies for each course, as indicated in the Preparatory Department. The Freshman Class entering September 1st, 1879, will not be required to stand an examination in. or pursue the study of Greek.



# COURSE OF STUDY.

## CLASSICAL COURSE.

### FRESHMAN YEAR.

#### FIRST TERM.

Algebra.	Greek.
Latin.	English Diction and Elocution.
	French or German (both optional).

#### SECOND TERM.

Geometry.	Greek.
Latin.	English Diction and Elocution.
	French or German (optional).

#### THIRD TERM.

Geometry.	Greek.
Latin.	English Diction and Elocution.
	French or German (optional).

### SOPHOMORE YEAR.

#### FIRST YEAR.

Plane Trigonometry and Surveying.	Greek.
Latin.	Chemistry Physical.
	Linguistics.

#### SECOND TERM.

Analytical Geometry.	Greek.
Latin.	Chemistry (inorganic).
	Linguistics.

#### THIRD TERM.

Spherical Trigonometry and Descriptive Geometry.	Greek.
Latin.	Rhetoric.

### JUNIOR YEAR.

#### FIRST TERM.

Latin.	Greek.
Solid Geometry and Differential Calculus.	Rhetoric.
	Physiology.

## SECOND TERM.

Latin.	Greek.
Differential Calculus.	English Literature.
	Geology.

## THIRD TERM.

Latin.	Greek.
Integral Calculus.	English Literature.
	Logic.

## SENIOR YEAR.

## FIRST TERM.

History of Civilization.	Elements of Criticism.
General History.	Mental Philosophy.
	Political Economy.

## SECOND TERM.

Natural Philosophy.	Moral Philosophy.
Evidences of Christianity.	Civil Polity.
	Constitution of the United States.

## THIRD TERM.

Natural Philosophy.	Philology.
International Law.	History of Philosophy.

## NORMAL COURSE.

Leading to the Degree of Bachelor of Letters. Students completing less than the entire course will receive a certificate for the work done.

## FIRST YEAR.

## FIRST TERM.

Reading and Orthography.	Arithmetic.
Geography.	English Grammar.
Penmanship.	Latin.
	Principles of Teaching.

## SECOND TERM.

Reading and Orthography.	Algebra.
Arithmetic.	Latin.
English Grammar.	Principles of Teaching.

## THIRD TERM.

Reading and Orthography.	Algebra.
Arithmetic.	Latin.
English Grammar.	Principles of Teaching.

## SECOND YEAR.

## FIRST TERM.

Algebra.	English Diction and Elocution.
Philosophy.	Latin.
	Methods of Teaching.

## SECOND TERM.

Geometry.	English Diction and Elocution.
Latin.	Natural Philosophy.
	Methods of Teaching.

## THIRD TERM.

Geometry.	English Diction and Elocution.
Latin.	Physical Geography.
	Methods of Teaching.

## THIRD YEAR.

## FIRST TERM.

Plane Trigonometry and Surveying.	Chemistry.
Latin.	Methods of Teaching.

## SECOND TERM.

Analytical Geometry.	Chemistry.
Latin.	Methods of Teaching.

## THIRD TERM.

Spherical Trigonometry.	Latin.
Descriptive Geometry.	Rhetoric.
	Methods of Teaching.

## FOURTH YEAR.

## FIRST TERM.

Latin.	Rhetoric.
Solid Geometry and Differential Calculus.	Physiology.
	Theory of Graded Schools.

## SECOND TERM.

Latin.	Geology.
Differential Calculus.	English Literature.
	Principles of Classification.

## THIRD TERM.

Latin.	Integral Calculus.
English Literature.	School Law.

## FIFTH YEAR.

## FIRST TERM.

History of Civilization.	Mental Philosophy.
Elements of Criticism.	General History.
	Political Economy.

## SECOND TERM.

Natural Philosophy.  
Moral Philosophy.

Evidences of Christianity.  
Civil Polity,  
Constitution of the United States.

## THIRD TERM.

Natural Philosophy.  
Philology.

International Law.  
History of Philosophy.

## SCIENTIFIC COURSE.

Applicants for the Freshman Class must pass a satisfactory examination in Reading, Spelling, Penmanship, English Grammar, Geography, United States History, Arithmetic and Algebra, to Equations of the second degree, French and German as required in the A. and Sub-Fresh Classes.

Applicants for advanced standing will have to pass an examination on the back work of the course.

The object of this course is to give an extended and thorough knowledge of the Sciences, and prepare those taking it for Practical Scientific work.

Those who successfully complete the following course will receive the degree of Bachelor of Science.

## FRESHMAN YEAR.

## FIRST TERM.

Algebra.  
French.

Physical Geography.  
German.  
Drawing.

## SECOND TERM.

Geometry.  
German.

French.  
Drawing.  
Elocution.

## THIRD TERM.

Botany.  
French.

Geometry.  
German.  
Elocution.

## SOPHOMORE YEAR.

## FIRST TERM.

Chemical Physies.

Cryptogamic and Economic Botany.  
Plane Trigonometry.

## SECOND TERM

Zoology.  
Laboratory Practice.

Inorganic Chemistry.  
Analytical Geometry.

## THIRD TERM.

Zoology, continued.  
Descriptive Geometry.

Inorganic Chemistry and Laboratory  
Work Continued.  
Rhetoric.

## JUNIOR YEAR.

## FIRST TERM.

Organic Chemistry.  
Blow Pipe Work.

Mineralogy.  
Physiology.

## SECOND TERM.

Geology.  
Excursions and Field Work.

Biology.  
Theoretical Chemistry.

## THIRD TERM.

Qualitative Analysis.

Comparative Anatomy.  
Logic.

## SENIOR YEAR.

## FIRST TERM.

Qualitative Analysis.  
Natural Philosophy.

Industrial Chemistry.  
Electives.

## SECOND TERM.

Industrial Chemistry.

Natural Philosophy.  
Electives.

## THIRD TERM.

Industrial Chemistry.  
Theses on some Scientific Subject.

Natural Philosophy.  
Electives.

## AGRICULTURAL COURSE.

Qualifications the same as for the Scientific Course excepting that French is not obligatory.

The course in Agriculture is based upon the Scientific course, and considers the Sciences underlying, together with branches *especially* Agricultural.

The successful completion of this course, leads to the degree of Bachelor of Agriculture.

## FIRST YEAR.

## FIRST TERM.

Algebra.	Physical Geography.
Lectures on Soils.	English Diction.

German Drawing.
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## SECOND TERM.

Geometry.	Lectures on Soils.
Drawing.	English Diction.

German.
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## THIRD TERM.

Botany.	English Diction.
Drawing.	Geometry.
Orchards.	Propagation of Seedlings.

## SOPHOMORE YEAR.

## FIRST TERM.

Cryptogamic and Economic Botany.	Trigonometry Plane.
Geodesy.	Chemical Physic.

## SECOND TERM.

Inorganic Chemistry and Laboratory Practice.	Zoology.
	Analytical Geometry.

## THIRD TERM.

Inorganic Chemistry and Laboratory Practice.	Descriptive Geometry.
	Rhetoric.
	Zoology.

## JUNIOR YEAR.

## FIRST TERM.

Mineralogy.	Breeding, History, Races, and Management of Stock.
Organic Chemistry.	Physiology.

## SECOND TERM.

Geology.	Entomology.
Farm Machinery.	Chemical Consideration of Soils and Fertilizers.
Road Working.	

## THIRD TERM.

Comparative Anatomy.	Rural Architecture.
Qualitative Analysis.	Farm Accounts.

## SENIOR YEAR.

## FIRST TERM.

Industrial Chemistry.	Physics.
Electives.	Current Agricultural Topics.



## SECOND TERM.

Industrial Chemistry.

Physics.

Current Agricultural Topics.

Veterinary Surgery.

Electives.

## THIRD TERM.

Landscape Gardening.

Physics.

Industrial Chemistry.

Theses on Agricultural Subjects.

## COURSE IN ENGINEERING.

## FIRST YEAR.

## FIRST TERM.

Algebra.

Physical Geography.

English Diction and Elocution.

French.

German.

## SECOND TERM.

Geometry.

French.

German.

Drawing.

English Diction and Elocution.

## THIRD TERM.

Geometry.

French.

German.

Drawing.

English Diction and Elocution.

## SECOND YEAR.

## FIRST TERM.

Plane Trigonometry.

Geodesy.

Chemical Physics.

Drawing.

Field Work.

Linguistics.

## SECOND TERM.

Analytical Geometry.

Chemistry, (Inorganic and Laboratory Work.)

Drawing.

Field Work.

Linguistics.

## THIRD TERM.

Spherical Trigonometry.

Descriptive Geometry.

Roads, Railways, Tunnels and Canals.

Chemistry, (Inorganic and Laboratory Work.)

Topographical Drawing.

Field Work.

Rhetoric.

## THIRD YEAR.

## FIRST TERM.

Solid Geometry.

Differential Calculus.

Perspective Mineralogy.

Chemistry, (Organic.)

Industrial Drawing.

Field Work.

Rhetoric.

## SECOND TERM.

Differential Calculus.  
Geology.

Higher Geodesy.  
Industrial Drawing.

Field Work.

## THIRD TERM.

Integral Calculus.  
Qualitative Analysis.  
Industrial Drawing.

Strength of Materials, and Stability of  
Construction.

Field Work.

## FOURTH YEAR.

## FIRST TERM.

Natural Philosophy.  
Architecture.  
Arches, Bridges, Roofs, etc.

Industrial Chemistry.  
Industrial Drawing.  
Field Work.

## SECOND TERM.

Natural Philosophy.  
Machines and Machinery.

Industrial Chemistry.  
Industrial Drawing.

Field Work.

## THIRD TERM.

Natural Philosophy.  
Hydraulic Engineering.

Engines.  
Industrial Chemistry.

Essays on some subject of Engineering.

Requirements to enter the Freshman Class of the Engineering Department, are the same as those named for the Scientific.

## PREPARATORY DEPARTMENT.

O. F. RUSSELL, PRINCIPAL.

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In view of the fact that the educational facilities of the State are, with the exception of a few favored localities, such that young persons desirous of a collegiate education are unable properly and sufficiently to prepare themselves to enter the University, there has been established in connection with the same a Preparatory Department, which is intended to be auxiliary to its higher departments.

The Preparatory Department is under the special control of its principal, and the general supervision of the faculty.

There are entitled to free tuition in this department, 350 students, bearing appointments from their respective county judges, as beneficiaries, and 237 as normals.

Beside one Honorary Scholarship to each county, to be selected for superior merit and proficiency from the public schools of such county. Act July 23, 1868, section two.

Students will not be admitted who are unable to enter upon the following—

# COURSE OF STUDY.

## PREPARATORY DEPARTMENT.

### C CLASS.

Reading and Spelling. Grammar, Oral and Spelling.  
 Penmanship. Arithmetic.  
 Geography, Oral and Map Drawing.

### B CLASS.

Reading and Spelling. Grammar and Spelling.  
 Penmanship. Arithmetic.  
 Geography.

### A CLASS.

#### CLASSICAL.

Arithmetic (completed).  
 Latin.  
 English Grammar.  
 Reading and Spelling.  
 Penmanship.

#### SCIENTIFIC, ENGINEERING AGRICULTURAL.

Arithmetic.  
 French.  
 German.  
 English Grammar.  
 Drawing.

#### ENGLISH.

Arithmetic (completed).  
 English Grammar.  
 Geography.  
 Reading and Spelling.  
 Penmanship.

#### CLASSICAL.

Algebra.  
 Latin.  
 Greek.  
 Reading and Spelling.  
 Penmanship.

### SUB-FRESHMAN.

#### SCIENTIFIC.

Algebra.  
 French.  
 German.  
 Drawing.  
 English Composition.

#### ENGLISH.

Algebra.  
 English Composition.  
 United States History.  
 Reading and Spelling.  
 Penmanship.

## DEPARTMENT OF INSTRUCTION.

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### MENTAL AND MORAL SCIENCE.

GEN. D. H. HILL.

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These studies, so admirably adapted to train the mind and cultivate the heart, belong to the President's Department. The former explains the phenomena of the mind, and the best method of employing its faculties in reasoning aright. The latter, by subordinating all the mental powers to divine truth and an enlightened conscience, guards against the seductions of error and the allurements of passion.

### TEXT BOOKS.

Porter's Intellectual Science.

Alexander's Evidences of Christianity.

Wayland's Moral Philosophy. Bowen's Logic.

Townsend's Civil Government.

Perry's Political Economy.

In English Literature—Marsh, Trench and Shepherd.

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### NORMAL DEPARTMENT.

PROF. GATES.

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The design of this department is to train teachers for the common schools of the State.

Applicants must pass a satisfactory examination in the common English branches, in order to enter this department.

In addition to a thorough knowledge of the branches to be taught, the work comprehends :

1. Training in methods of imparting instruction in the branches to be taught.
  2. Methods of leading pupils to think and investigate for themselves.
  3. How to grade and organize the various kinds of schools.
  4. Government or discipline of schools.
  5. Duties of teachers as governed by School Law.
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## DEPARTMENT OF LANGUAGES.

PROF. LEVERETT.

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Instruction in this department is distributed into two schools.

### I. SCHOOL OF ANCIENT LANGUAGES.

There are four classes in Latin and the same number in Greek. The mode of instruction is by translations from the Text Books into English, and from English into Latin and Greek. The principles and idioms of the languages are carefully studied, with a view to a better acquaintance with the principles of the English speech.

Due prominence is given to Latin and Greek composition, and also to the Literature and History of Greece and Rome.

Candidates for admission to the Freshman class must come well drilled in Harkness' Grammar and Reader, Latin and Greek, or their equivalents, and must have read two books in Caesar's Commentaries, and two books of Xenophon's Anabasis.

### TEXT BOOKS.

#### LATIN—FRESHMAN CLASS.

Cæsar Third and Fourth Books.

Æneid Six Books.

Cicero's Orations against Cataline.

Exercises in writing Latin Composition.



## SOPHOMORE CLASS.

Latin Composition (completed).

Horace, Odes, Epodes and Selections from Satires and Epistles.

## JUNIOR CLASS.

Tacitus—Germania, Agricola and Annals.

Jurenal's Satires.

## GREEK—FRESHMAN CLASS.

Xenophon's Anabasis (completed)

Harkness' Greek Composition.

Exercises in writing Greek.

## SOPHOMORE CLASS.

Homer, (selections from Iliad).

Herodotus, (selections).

Exercises in writing Greek.

## JUNIOR CLASS.

Demosthenes, (public orations.)

Aristophanes.

Selections from the Lyric Poets.

*Books of Reference:*—Liddell's *Romre*, Brown's *Roman Literature*, Smith's *History of Greece*.

## II. SCHOOL OF MODERN LANGUAGES.

In this school, French and German are taught for one year, viz: The Freshman.

The student is taught first the elementary principles of Grammar and then proceeds at once to translating from these languages into English, and writing as well as translating, orally, English sentences into French and German.

## TEXT BOOKS.

Charles XII.

Moliere.

Corinne.

Selections from Standard Authors.

A course of private reading is required.

Whitney's Grammar.

Whitney's Dictionary.

Goethe. Schiller.

A course of Private Reading is required.

## PURE MATHEMATICS.

PROF. GRAY.

The course of study for the various degrees, is completed in the third term of the Junior year, and embraces Algebra, Geometry, Trigonometry, Analytical Geometry, Descriptive Geometry, Solid Geometry and Calculus.

## ALGEBRA

(taught by use of text and reference books and frequent lectures) is confined to the first term of the Freshman year, and embraces the elementary principles; equations, simple and quadratic; ratio, proportion, progression, inequation and differentiation; indeterminate coefficients; trinomial theorem in development of functions; logarithms; indeterminate analysis; Sturm's theorem and Horner's method of solving higher equations.

## GEOMETRY

(taught by the same methods as mentioned for Algebra) is also confined to the second and third terms of the Freshman year, and embraces the treatment of straight lines, angles and polygons; proportion, with its application to geometrical investigation; the circle and the theorems dependent upon its properties; proportions and measurement of polygons and circles; intersections and relative positions of planes; solid and spherical geometry, and under the subjects, a variety of original and practical problems for class work.

## TRIGONOMETRY

(taught by use of approved text books and familiar lectures) is confined to the first and third term of the Sophomore year; and embraces general propositions in Plane Trigonometry; equations for sines, cosines, etc.; the use of logarithms; oblique and right angled triangles and their projection; Napier's Circular Parts and Analogies; and in order to fix the principles of Plane and Spherical Trigonometry in the mind, applications are made to surveying and navigation.

## TO SURVEYING,

in the theory, adjustment and use of instruments; rectangular surveying, as practiced on government surveys; area of land; finding section corners; retracing old lines; topographical and railroad surveying; field practice, with compass, chain, level and rod;—

## TO NAVIGATION,

by problems in plane sailing ; difference of latitude and longitude ; Mercator's sailing ; computing meridional parts ; sailing in currents ; finding place by solar and lunar observations, practical use of quadrant.

## DESCRIPTIVE GEOMETRY.

is taught in the second term of Sophomore year by lectures, and use of Church or Warren's text books.

## ANALYTICAL GEOMETRY

is taught by lectures and use of text books, and is confined to the third term of the Sophomore and first term of the Junior years, and embraces the Cartesian method of co-ordinates ; construction of equations ; transformation of co-ordinates, and properties of the Conic sections.

## CALCULUS

is taught by the use of text books and familiar lectures, and is confined to the Junior year. This study embraces Differential Calculus applied to the differentiation of algebraic, exponential, logarithmic, trigonometrical and circular functions ; successive differentiation ; differential co-efficients ; implicit and compound functions ; the development of functions ; Maclaurin's formula ; Taylor's formula ; evolutions of indeterminate expressions ; maxima and minima of functions of one variable.

## INTEGRAL CALCULUS.

Elementary rules ; subordinate circular forms ; separation by indeterminate co-efficients ; rationalization ; formula for integration by parts ; integration by infinite series ; successive integration ; method of disposing of the constant of integration.

## TEXT BOOKS.

Algebra—Robinson's University.

Geometry—Robinson.

Plane Trigonometry—Robinson.

Surveying and Navigation—Robinson.

Analytical Geometry—Olney.

Calculus—Olney.

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MILITARY.PROF. GRAY.

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Instruction in this department is designed to impart to each male student, not physically incapacitated to bear arms, practical instruction in the school of the soldier, of the company, and the battalion; the duties of guards, outposts and pickets.

The drills occur not over three times a week, and, being short, they involve no hardship, while it is manifest that they afford a good health-giving exercise and aid in the development of the physique and manly carriage of the cadet. The entire body of male students is divided into companies which are officered by cadets selected for proficiency in drill, good deportment and scholarship. Cadet officers are regarded as assistants in the enforcement of discipline, and their orders, while on duty, are considered as duly authorized and must be obeyed accordingly.

Cadet officers are expected and required to set examples of military deportment and general good conduct.

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COURSE IN CHEMISTRY.PROFS. HARVEY AND CONRAD.

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## • CHEMICAL PHYSICS

is studied by the students of all the courses, during the first term of the Sophomore year. It embraces the physical principles requisite to the pursuance of Chemistry.

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INORGANIC CHEMISTRY.

Students in the Scientific, Agricultural, and Engineering Courses, pursue Inorganic Chemistry during the last two terms of the Sophomore year.

The course embraces three hours a week Recitation, and ten hours a week Laboratory work. The important Chemical elements and their principal compounds, are considered as to their occurrence in nature; physical and chemical properties; method of manufacture; prominent uses.

About three hundred experiments are individually performed, illustrating important chemical principles.

Students pay for the chemicals used and apparatus broken. The chemical laboratory is free to all, but a deposit of ten dollars is required to cover expenses, and the surplus, if there is any, is returned.

Classical Students take a short course in Chemistry during the first term of the Sophomore year. It consists of lectures without laboratory work.

#### ORGANIC CHEMISTRY

occupies the first term of the Junior year; is pursued by applicants for all the degrees excepting the A. B. It is taught by text book and lecture, is made practical by selecting for illustration of the principles, compounds of importance. It embraces a consideration of fibre plants, starches, sugars, gums, resins, jellies, oils, fats, soaps, glycerine, candles, leather, inks, dyes, vegetable acids, albumenoids, alkaloids, etc.

#### ANALYTICAL CHEMISTRY.

##### QUALITATIVE ANALYSIS

is taught during the third term of the Junior year. The methods of detecting the principal elements and acids in the wet way, will be fully illustrated by the analysis of sets of simple and complex compounds.

The course will consist of six hours per week laboratory work, and recitations upon the principles involved. Students taking the Scientific, Agricultural and Engineering Courses, receive the benefit of Qualitative Analysis.



## QUANTITATIVE ANALYSIS.

is pursued by the Scientific, Agricultural, and Engineering students, during the first term of the Senior year. Students in General Science will analyze, quantitatively, a wide range of compounds.

Agricultural students will confine their attention to soils, fertilizers, foods for animals, etc.

Engineering students will make quantitative determinations of ores, building materials, natural waters, etc.

## INDUSTRIAL CHEMISTRY

occupies the whole of the Senior year. Is pursued by the Students in Science, Agriculture and Engineering. Embraces a study of the chemical principles of the great manufacturing interests of the world. The work will consist of lectures, study of dictionaries and journals upon manufactures.

## AGRICUTURAL CHEMISTRY.

Students taking the course in Agriculture, will consider in the Junior year, the chemical nature of soils and fertilizers, also the relation of plant life to the soil and air.

## CHEMICAL REFERENCE AND TEXT BOOKS.

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|---|---|
| Miller's Chemical Physics.                        | Miller's Organic and Inorganic Chemistry. |
| Eliot and Storer's Manual.                        | Watt's Chemical Dictionary.               |
| Fresenius' Qualitative and Quantitative Analysis. |   |
| Ure's Dictionary of the Arts and Manufactures.    | Wagner's Chemical Technology.             |
| Cooke's Chemical Physics.                         | Appleton's Dictionary of Mechanics.       |
| Crooke's and Rohrig's Metallurgy.                 |   |
| Liebig, Caldwell, Johnston and Johnson's Works.   |   |

## COURSE IN BIOLOGY.

PROFS. HARVEY AND CONRAD.

## BOTANY

begins with the Spring term of the Freshman year, and is continued through the first term of the Sophomore year. Classical and Engineering Students do not study Botany.



The first term is devoted to a consideration of the structure and uses of the organs of plants: together with analysis, classification, and study of the prominent orders of flowering plants.

Students do laboratory work, and prepare one hundred species of plants.

The second term is devoted to a study of the Compositæ, Gramineæ, Cyperaceæ and other difficult orders, together with a course in Cryptogamic and Economic Botany.

#### CRYPTOGAMIC BOTANY

embraces the characters of the equisetums, ferns, mosses, liverworts, ground pines, fungi, lichens, and algæ.

The ferns of the State are classified. The economic value of fungi and lichens is considered, also the prominent forms of injurious fungi.

#### ECONOMIC BOTANY.

embraces a consideration of the uses of plants in the economy of nature and to man. It is considered under the divisions: fibre, food, forage, medicinal and ornamental plants, plants yielding dyes, gums, spices, narcotics, etc.

#### BOTANICAL TEXT AND REFERENCE BOOKS.

Gray's Manual and Lessons.	Wood's Botany.	Gray's Structural Botany.
Sach's Text Book.	Various Catalogues and Government Reports.	
United States Dispensatory.		Gray's Genera Illustrata, etc.
Torry & Gray's Flora of North America.		

#### COMPARATIVE ZOOLOGY.

This subject occupies the second term of the Sophomore year; embraces morphology, physiology, classification, distribution in time and space, habits and uses of the prominent forms of life. The subject is illustrated by specimens and the use of the compound microscope.

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PHYSIOLOGY.

Advanced Physiology is considered during the first term of the Junior year. It will embrace Physiological Chemistry, Physiology of Man, also Comparative Physiology.

## COMPARATIVE ANATOMY

occupies the third term of the Junior year, and embraces a comparison of the muscular, osseous, nervous, digestive, circulatory and respiratory systems in man, with those of the lower animals.

## ADVANCED BIOLOGY

will occupy one term in the Junior year; will embrace laboratory work and classification.

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The entire course in Biology is taken by the students in Science and Agriculture. The Engineers take no biological studies, but the Classical students take a short course in Human Physiology, Anatomy and Hygiene.

## REFERENCE AND TEXT BOOKS IN ZOOLOGY.

Flint and Dalton's Works on Physiology.	Gray's Anatomy.
Orton and Nicholson's Works on Comparative Zoology.	
Owen's Physiology and Anatomy of Vertebrates.	
	Carpenter's Principles of Comparative Zoology.
Darwin's Works.	Cou's Key to North American Birds.
Tenny's Manual of Zoology.	Packard's Guide to the Study of Insects.
Flint's Insects injurious to vegetation.	Various Government Reports.

## COURSE IN GEOLOGY AND MINERALOGY

begins in the Freshman year with *Physical Geography*, when the general surface features of the earth are considered.

## MINERALOGY AND LITHOLOGICAL GEOLOGY.

occupy the first term of the Junior year, and consider rock masses and mineral species. The work is impressed by cabinet specimens and blow-pipe analysis. State minerals receive special consideration.

## DYNAMICAL AND HISTORICAL GEOLOGY

occupy the second term of the Junior year. Succession of strata, characteristic fossils, division of formations into times, ages and periods, geology of the State, methods of conducting geological surveys, field work, succession of strata in this region, economic geology, changes our earth has undergone in rock formations, vegetable and animal life, causes that have and are still modifying the features of the earth.

## TEXT BOOKS.

Dana's Text Books and Manuals.

Lyell's Principles.

Cornell, Guyot and Warren's Physical Geographies.

Geological Surveys of many of the States.

Also Government Reports.

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APPLIED MATHEMATICS.PROF. GORDON.

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For students wishing to pursue the Engineering Course, a course of special training in English, French, German, Elementary Mathematics and Drawing, has been provided; embracing two years in the Preparatory Department, and the first year in Collegiate Department.

The School of Applied Mathematics is designed as the basis of the Engineering Course. The work proper begins with the first term of the second or Sophomore year, and embraces a three years' course in the applications of Pure Mathematics to the solutions of such problems as are constantly presented to the practical engineer.

The course is divided as follows:

## GEODESY.

In this branch are discussed the different methods of surveying and dividing land, whether in large or small tracts, leveling, topographical surveying, general theory and use of field instru-

ments. Students are required to make plats and calculations from data determined by themselves on the field. Higher Geodesy and the projection of maps will be taught in the second term of the third year.

#### PARALLEL PROJECTIONS.

This subject is here extended to more complex problems than are required in pure Mathematics. Each of the systems, orthogonal, axonometric, and oblique are discussed, and students construct the projections of various objects presented.

#### CENTRAL PROJECTIONS.

Under this head the principles of linear perspective are fully considered, and students construct the perspective of various objects both simple and irregular in form.

#### ROADS, RAILWAYS, TUNNELS AND CANALS.

The principles of the construction of each of these are fully presented, and as far as practicable, students are required to apply for themselves these principles in the field, in laying out and staking curves, computing various cuts and fills, etc.

#### STRENGTH OF MATERIALS.

In this branch the power of resistance of different materials and the calculation of the various strains to which they are subjected are taught, and the student is required to apply his knowledge for the solutions of a number of problems relating to the stability of different structures.

#### ARCHES, BRIDGES, ROOFS.

The general principles of the arch and its modifications are given, together with the calculations of its strength. The various kinds of bridges are discussed. Particular attention is paid to the forms of truss used in the construction of roofs. Students make the working drawings for different constructions, and calculate the stability required in the various parts.

## ARCHITECTURE.

This subject is devoted to the consideration of the different ancient orders and their modifications, with a brief history of the same. Special attention is given to the modern styles of public and private buildings. Plans, elevations, and perspective drawings of various kinds of buildings are made by students.

## MACHINES AND MACHINERY.

The subject embraces the gearing of machinery, study of various machines in detail, construction of mill-work, and a course in design.

## HYDRAULIC ENGINEERING.

In this branch of the subject are taught the methods of collecting, conveying and distributing water for city supplies and manufacturing purposes ; construction of reservoirs ; theory of river and coast improvements, and theory of Hydraulic motors.

## ENGINES.

The student has his attention drawn to the mechanism, working and use of various kinds of steam and gas engines, locomotives, etc.

## DRAWING.

In this course the use of drafting instruments is taught, and the student is gradually led from the representation of simple objects to those more complex in form. The subject extends throughout the entire three years, and is as far as possible made parallel with the above mentioned branches ; each student is required to execute for himself such drawings as serve to impress the principles taught under the different subjects.

A drawing room has been fitted up, but each student has to provide himself with suitable drafting instruments, The cost of such a set need not exceed twelve or fifteen dollars.



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FIELD WORK.

This also extends throughout the entire course, students being required to apply their knowledge of the different field instruments to the making of actual surveys, running levels, and calculating the cuts and fills, laying out and staking curves, etc.

## TEXT BOOKS AND WORKS FOR REFERENCE.

Warren's Course—Including "Free Hand Drawing.	Elementary Plane Problems
Elementary Projection Drawing.	Descriptive Geometry. Shades and Shadows.
Linear Perspective."	Trautwine's Pocket Book.
Smith's Topographical Drawing.	Barry's Railway Appliances.
Rankine's Works—Civil Engineering, Machinery and Mill Work.	
Mahan's Civil Engineering.	Vose's Manual for Railway Engineers.

Additions will be given in the form of notes on points where it is deemed necessary.



## DEPARTMENT OF MUSIC.

PROF. BÖTEFÜHR.

## PIANO-FORTE.

The course of instruction comprises four years. In case of close attention and extraordinary ability, on the part of the pupil, the required standard may be reached in less time.

## FIRST YEAR.

The first year will be chiefly devoted to the study of the first principles of Music, five-finger exercises, practice of the scales and such intellectual studies as will prepare the pupil for the lighter compositions of Clementi, Kuhlau, Mozart, etc.

## SECOND YEAR.

Practice of the Scales; arpeggios and studies of Czerny, Moschelles, Clementi, etc., and the easier compositions of Mozart, Clementi, Beethoven, etc.

## THIRD YEAR.

Practice of the scales, development of the trill, wrist practice, advance studies of Czerny, Heller, and compositions by Leybach, Fesca, Chopin, Hayden, Beethoven, and others.

## FOURTH YEAR.

Studies of Cramer, Rubinstein, etc., and compositions by Thalberg, Liszt, Hummel, Beethoven, etc.

Great care will be taken to develop a taste in the pupil for the purest and noblest order of Music.

## VOICE CULTURE.

Development of a pure tone. Studies having for their object to render the voice flexible. Studies on expression, breathing, pronunciation, etc. Etudes by Lutgen, Rossini, Marchesi, Concone, Bordogni.

## VIOLIN.

## FIRST YEAR.

Practice of bowing, finger exercises, Mazas' Instructor.

## SECOND YEAR.

Etudes of Dancla, and instructive arrangements from the Operas.

## THIRD YEAR.

Kaiser's Etudes, Sonatas by Hayden, Schubert, etc.

## FOURTH YEAR.

Kreutzer's Etudes, compositions by De Beriot, Kreutzer, etc.

## TERMS.

## TWO LESSONS PER WEEK.

Piano-Forte, primary scholars.....	\$10 00 per term.
Piano-Forte, advanced scholars.....	15 00 per term.
Voice Culture, class of four, each.....	3 75 per term.
Voice Culture, class of three, each.....	5 00 per term.
Voice Culture, class of two, each.....	7 50 per term.
Voice Culture, private lessons.....	15 00 per term.
Violin, class of five, each.....	3 00 per term.
Violin, class of four, each.....	3 75 per term.
Violin, class of three, each.....	5 00 per term.
Violin, class of two, each.....	7 50 per term.
Violin, private lessons.....	15 00 per term.
Use of piano, one hour per day.....	3 50 per term.

One half of tuition must be paid in advance, balance at the end of the term.

No charge is made to the students for the following work :

The Preparatory Department will receive instructions in Vocal Music once a week.

Collegiates, vocal instruction once a week.

Advanced scholars in music, harmony once a week.

The Philharmonic Society has drill in chorus singing, once a week.

The Concordia Society composed of members advanced in vocal music, has drill in chorus singing, twice a week.

Orchestra meets for practice twice a week.

Certificates of proficiency will be given.

## PREPARATORY COURSE.

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Students are not admitted into this department, until they have become thoroughly familiar with the fundamental principles of Arithmetic, viz: Addition, Multiplication, Division, and first in order and in importance, notation and numeration. In reading, they must be able to understand and intelligibly render specimens of the grade of the Fourth Reader, must have a knowledge of Primary English Grammar, Primary Geography, and the rudiments of penmanship and spelling of ordinary words of the grade of the Fourth Reader.

In reading, the aim will be first, to develop in the student a full, complete and definite meaning of the sentence; 2d, to obtain from the student a natural easy and graceful expression of the entire thought, as expressed in the sentence.

Spelling will be required of students throughout the entire course, and an endeavor made to secure the correct use of letters and other marks in the formation of every word used.

English Grammar will be taught by requiring the students to form sentences of their own as well as to analyze those of others. Thus Grammar and Composition will go hand in hand. The student will gradually be led from the simplest constructions to those the most difficult and abstruse. The instruction of the C class will be oral, but as the comprehension of the student enables him to use books to advantage, they will be placed in his hands.

In arithmetic, processes precede principles, and the object will be to obtain first, a full understanding of methods, then accuracy in work and finally rapidity. The old German proverb "make haste slowly" will be observed. Each recitation will be conducted both orally and in writing. The subject will be taught both as an art and a science.

Oral geography will begin in the C class, with map drawing and familiar lessons concerning known localities, and as the comprehension of the student enables him to use text books to advantage, they will be placed in his hands. Map drawing will be continued until the subject is finished.

Arithmetic is completed in the A year.

Penmanship is taught by the Spencerian system.

Algebra is taught only in the Sub-Freshman class. Students are required to faithfully master everything to equations of the second degree. Much parallel and collateral work is given.

United States History occupies the entire year, at close of which, a rigid examination is had upon the entire ground. It is only required in the English course.

Drawing is only required in the Scientific, Agricultural and Engineering courses. It will be taught only as applied to mathematics and sciences.

French and German are required in the same courses. The elementary principles of the languages are first taught, when the student is exercised in translating into English both written and oral, and the same oral and written translations from English into French and German.

The course in Latin is two years, including the thorough mastery of the 1st and 2d books of Cæsar's Commentaries, as well as the principles of the grammar. The same system of translations as pursued in German and French will be required. Its study is confined to the Classical course.

Greek will be taken up in the Sub-Freshman class, the inflections of the words, the construction of sentences, and translating from Greek to English and from English to Greek required.

#### TEXT BOOKS.

Reading—Osgood. Penmanship—Spencerian. English Grammar—Reed & Kellogg.  
 Arithmetic—White. Geography—Monteith. Latin—Bartholomew.  
 French—Otto. German—Otto. Algebra—Peck. Greek—Harkness.  
 English Composition—Hart. United States History—Ridpath.

## MEDICAL DEPARTMENT.

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The Trustees of the Arkansas Industrial University have deemed it expedient to establish a Medical Department, to be located at the city of Little Rock, the Capital of the State.

This Department is designed to afford the young men of the State and surrounding country facilities for the study of the science of medicine, and all its collateral branches, at home, without the great expense incident to long distances of travel, and additional outlay unavoidable to students attending a course of medical lectures abroad, It is also believed that Arkansas offers unusual advantages for obtaining a thorough medical education.

### LOCATION.

Little Rock is situated near the centre of the State. It has now direct railway communication with North, South, East and West. Other roads are in process of construction or projected, so that within a very limited period, railroads will centre in Little Rock from all sections of the State.

The city has, also, during one-half the year, splendid water communication. It has a population of more than 20,000. It is built upon the south bank of the Arkansas River, upon a high, undulating bluff. Its drainage, therefore, is natural and perfect, and its healthfulness superior to any city west of the Mississippi River. In it, epidemics of any character are unknown.

The Deaf Mute and Blind Asylums, State institutions, are located here.



## BUILDING.

We are unable to present any magnificent and imposing structure as the *Medical Department Building*, whose natural vastness and grandeur are calculated to inspire wonder and admiration in students. But arrangements have been perfected through which a very commodious and comfortable building has been secured. It is conveniently situated, and while modest and unpretending in appearance, is well adapted for all purposes of practical instruction.

## HOSPITAL.

The Hospital, under the management of the Ladies' Benevolent Association of the city of Little Rock, will afford ample material for all kinds of clinical instruction in medicine and surgery. The sick, injured and afflicted flock to this institution during the fall, winter and spring months from every section of the country, and students will have an excellent opportunity to observe and study disease in all its various phases; as, also, to witness a large number of surgical operations.

The construction of a new City Hospital is in contemplation. This will increase the advantages of students.

## ANATOMY.

The General Assembly of the State of Arkansas passed an act legalizing dissection, in the winter of 1873. This act is a generous one. No State in the Union possesses a more liberal provision for the prosecution of the study of anatomy. Any amount of material can be procured *legally*, with but a nominal expense to the student. This item alone is one of no small consideration to any zealous laborer in this Department.

## COURSE OF LECTURES.

The Fall Course of Lectures in the Medical Department of the University will commence on Tuesday, October 7, 1879, and continue five months.



These Lectures will be so arranged as to time, as to afford the student the greatest possible advantage. They will have an opportunity to prepare themselves upon the subject of each Lecture.

#### FACULTY.

The Faculty is composed of medical gentlemen, residents of the city of Little Rock, who are well known, and who are personally well qualified for the position they have individually been elected to fill. They are earnest workers in the cause of Medical Science, and will labor zealously to build up a Medical Department that will reflect honor upon the State.

#### GRADED SYSTEM.

The Medical Department of the University have determined to establish a *Voluntary Graded Course* of three years. A number of Medical Colleges having extended the term of instruction an additional year, and as it will be the policy of this Department not only to conform to the demands of the times, but in each and every particular to keep full pace with the requirements exacted of the oldest institutions in the country, it has been decided to inaugurate, at once, the system of a three years' graded course. No student will, therefore, receive a diploma unless he is thoroughly qualified in every branch of the course. Students who have had the most thorough preparation, and who satisfy the Faculty of their being well qualified for graduation, after a searching examination, will be granted a diploma when they have attended two full courses of Lectures, and have pursued their studies the full term of three years.

#### FIRST YEAR.

Anatomy ; Practical Anatomy ; Physiology ; Chemistry.

#### SECOND YEAR.

Anatomy, Surgical and Practical ; Practical Physiology ; Chemistry ; Materia Medica and Therapeutics ; Clinical Medicine and Surgery.

## THIRD YEAR.

Surgery ; Practice of Medicine ; Obstetrics and Gynæcology ; Materia Medica and Therapeutics ; Ophthalmology ; Clinical Medicine and Surgery.

At the end of each term, examinations will be held in these Departments, and certificates of proficiency will be given to those who are qualified.

This plan of instruction is *entirely optional*. Students who prefer to continue their studies on the repetitional system, can do so, but the Faculty strongly urge upon those whose means and opportunities permit, to avail themselves of the increased advantages afforded by the Voluntary Graded Course.

## TEXT-BOOKS.

The Faculty would recommend one or other of the following text-books in the several Departments :

**SURGERY**—Gross, Hamilton, Ashhurst, Holmes, Erichsen, Agnew, Bryant, Gant, Billoth and Esmarch.

**THEORY AND PRACTICE**—Flint, Niemeyer, Bristowe and Aitkin.

**MATERIA MEDICA AND THERAPEUTICS**—National Dispensatory, H. C. Wood and Biddle.

**ANATOMY**—Gray, Wilson, Leidy, MacLise's Surgical Anatomy.

**CHEMISTRY**—Atfield's, Fowne's, Roscoe, Tyson on Urine, Reese's Manual of Toxicology.

**PHYSIOLOGY**—Dalton, Carpenter, Flint, Kirke's Manual

**OBSTETRICS AND DISEASES OF CHILDREN**—Leishman, Plafair, Byford, Cazeaux, Schroeder, Meggs and Pepper on Children.

**DISEASES OF WOMEN**—Thomas, Barnes, Peaslee.

## FEES.

Professors' Tickets.....	\$50 00
Matriculation Ticket (only paid once).....	5 00
Demonstrators' Ticket.....	5 00
Hospital Ticket.....	3 00
Graduation Fee.....	25 00

*Fees for Professors' Tickets and Matriculation must be paid on entering.* For graduation, students are not required to present, for the present, either the Practical Chemical or Practical Physiological Ticket, but the Faculty trust that students' preceptors, realizing the importance of this work, will insist upon

their pupils availing themselves of the advantages of these Departments.

BOARD, ETC.

Boarding can be procured in private families as cheap in Little Rock as in any other city in the country.

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## REQUIREMENTS FOR GRADUATION.

Read the following Articles of confederation of the American College Association, subscribed and conformed to by all the Colleges of the Association :

### ARTICLE I.—OF THE FACULTY.

The medical members of the Faculty must be *regular* graduates or licentiates and practitioners of medicine, in good standing, using the word “regular” in the sense commonly understood in the medical profession.

### ARTICLE II.—OF TUITION.

SECTION 1. The scheme of Tuition shall provide for a yearly systematic course of instruction covering the general topics of Anatomy, including dissections, Physiology, Chemistry, Materia Medica and Therapeutics, Obstetrics, Surgery, Pathology and Practice of Medicine. The Collegiate Session, wherein this course is given, shall be understood as the “regular” session.

SEC. 2. Said regular session shall not be less than twenty weeks in duration ; this section to go in force at and after the session of 1879–80.

SEC. 3. Not more than one regular session, counting the regular session as one of the two courses of instruction required for graduation, shall be held in the same year.

### ARTICLE III.—REQUIREMENTS FOR GRADUATION.

No person, whether a graduate in medicine or not, shall be given a diploma of “Doctor of Medicine,” who shall not have fulfilled the following requirements, *except*, as hereinafter provided for in Article IV.

1. He must produce satisfactory evidence of good moral character, and of having attained the age of twenty-one years.

2. He must file a satisfactory certificate of having studied medicine for at least three years under a *regular* graduate, or licentiate and practitioner of medicine, in good standing, using the word "regular" in the sense commonly understood in the medical profession. No candidate shall be eligible for final examination for graduation, unless his term of three years study shall have been completed, or shall expire at a date not later than three months after the close of the final examinations; this clause to take effect at and after the session of 1879-80.

3. He must file the proper official evidence that, during the above mentioned three years, he has matriculated at some affiliated college or colleges, for two regular sessions, and in the course of the same (except as provided in 4) has attended two full courses of instruction on the seven topics mentioned in Article II. But the *latter*, at least, of the two full courses must have been attended at the college issuing the diploma. No two consecutive courses of instruction shall be held as satisfying the above requirements unless the time between the beginning of the first course and the end of the second, is greater than fifteen months.

4. In case a college shall adopt a systematic graduated scheme of tuition, attendance on the whole of the same shall be equivalent to the requirements mentioned in 3, *provided*, such scheme includes instruction in the seven topics mentioned in Article II., and requires attendance at least two yearly regular Collegiate Sessions of not less than twenty weeks' duration each.

5. The candidate must have passed a personal examination before the Faculty on all seven of the branches of medicine mentioned in Article II.

6. He must have paid in full all College dues, including the graduation fee.



## ARTICLE IV.—OF HONORARY DEGREES.

An honorary degree of "Doctor in Medicine," may be granted in numbers not exceeding one yearly, to distinguished physicians or scientific men of over forty years of age. But in such case the diploma shall bear across its face the word, "Honorary," in conspicuous characters, and the same word shall always be appended to the name of the recipient in all lists of graduates.

## ARTICLE V.—OF FEES.

SECTION 1. All fees shall be paid in lawful money, and no promissory notes, or promises to pay, shall be accepted in lieu of cash for payment of fees.

SEC. 2. No ticket or other certificate of attendance upon college exercises, shall be issued to any student until the dues for the same shall have been fully paid.

SEC. 3. The established fees for the exercises of the regular session, except the matriculation fee, graduation fee, fee for dissections, may be reduced not more than one-half to graduates of other affiliated colleges of less than three years standing, and to under graduates of the same who have already attended two full courses of the instruction of the regular session.

SEC. 4. The same fees may be remitted altogether to a college's own alumni, to graduates of other affiliated colleges of three years standing, (the three years dating from the time of graduation and ending at the close of the regular session for which the tickets are given) to under-graduates who have already attended two full courses of the instruction of the regular session, the latter of which, at least, shall have been in the college making the remission, and to theological students when not candidates for a diploma.

SEC. 5. The same fees may be reduced or remitted to deserving indigent students, to a number not exceeding five per cent. of the number of matriculants at the previous regular session of the college.

SEC. 6. Under no circumstances whatever, other than the above, shall the Faculties or any members of the same, grant, *upon their own authority*, any remissions or reductions of established fees. And it is distinctly understood and agreed, that the Faculties will discountenance and oppose the authorizing by governing boards of individual students upon other than the regularly established charges for their grade.

SEC. 7. Remission or reduction of fees for other exercises than those of the regular session, return to a student of any moneys after payment of fees, or an appropriation of funds of the college for payment of any student's fees, or part thereof, shall be deemed violation of the provisions of this article in regard to remission or reduction of fees.

#### ARTICLE VI.—OF RECOGNITION OF OTHER COLLEGES.

No college shall admit to the privileges accorded in Articles III. and V., the students or graduates of any college which during any period of the student's or graduates pupilage, shall have been excluded from the list of affiliated colleges recognized by the Association.

The Constitution, By-Laws, and Articles of Confederation were signed by the representatives of the following colleges:

#### LIST OF MEMBERS OF THE AMERICAN MEDICAL COLLEGE ASSOCIATION, MAY 14, 1879.

- |  |   |
|--|---|
| 1. Jefferson Medical College.                                    | 14. Kansas City College Physicians and Surgeons.      |
| 2. College Physicians and Surgeons of New York.                  | 15. Miami Medical Association.                        |
| 3. Medical Department of University of Louisville.               | 16. Louisville Medical College.                       |
| 4. Hospital College of Medicine of Louisville.                   | 17. Medical Department Michigan University.           |
| 5. Medical Department University of Iowa.                        | 18. Medical Department University of Louisiana.       |
| 6. Chicago Medical College.                                      | 19. Rush Medical College.                             |
| 7. Medical Department University of Wooster.                     | 20. Women's Medical College of Chicago.               |
| 8. Detroit Medical College.                                      | 21. Bellevue Hospital Medical College.                |
| 9. Cleveland Medical College.                                    | 22. Texas Medical College and Hospital.               |
| 10. Starling Medical College.                                    | 23. Alabama Medical College.                          |
| 11. Medical Department University of Vermont.                    | 24. Medical College of Ohio.                          |
| 12. Medical Department Universities of Nashville and Vanderbilt. | 25. Medical College State of S. Carolina.             |
| 13. Missouri Medical College.                                    | 26. Columbus Medical College.                         |
|  | 27. Medical College of Evansville.                    |
|  | 28. Atlanta Medical College.                          |
|  | 29. Kentucky School of Medicine. (Affiliated Member.) |



*Resolved*, That each confederated college shall publish in its annual circular and catalogue, the names of all confederated and affiliated colleges, beginning with their announcements for 1878-79.

#### REQUISITES FOR GRADUATION.

The candidate must be twenty-one years of age, of good moral character, and must present to the President the requisite evidence of having studied medicine three years, inclusive of attendance upon lectures.

He must have attended two full courses of lectures in a recognized medical college, the last of which shall have been in this Institution.

He must present to the President by the first of February, a thesis, in his own handwriting, on a medical subject. The amount of the graduation fund must be deposited with the thesis; in case of failure to pass a satisfactory examination, the money will be refunded.

A report of any of the clinics will be accepted in lieu of the ordinary thesis.

He must pass a satisfactory examination on anatomy, physiology, chemistry. materia medica, practice and general pathology, obstetrics and diseases of women and children, diseases of eye and ear, and surgery.

## GENERAL INFORMATION.

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This Institution was established in accordance with an Act of Congress, making a grant of land for its benefit, and in accordance with an Act of the General Assembly of this State, carrying out the object of said grant.

### AIM OF THE UNIVERSITY.

The aim of the University is to comply strictly with the Acts of Congress, and the General Assembly of this State, in providing for and establishing it; and in order to this end, the University is "to teach such branches of learning, as are related to agriculture and the mechanic arts, without excluding other scientific and classical studies, and including military tactics."

### LOCATION.

The Arkansas Industrial University is located within the corporate limits of the Town of Fayetteville, Washington County. The location is thought to be unsurpassed by any other locality in the State, in salubrity of climate, beauty of surrounding scenery, fertility of soil, variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

### TERMS AND VACATION.

The Scholastic year of the University, consists of two terms of thirteen weeks each, and one term of fourteen weeks. There is a vacation of one week at Christmas, but no vacation between terms.

The terms commence and end as indicated by the following :

CALENDAR FOR THE SCHOLASTIC YEAR 1879-80:

The Autumn Term will commence on the 1st of September, 1879, and close November 28th, 1879.

The Winter Term will commence December 1st, 1879, and close March 5th, 1880.

The Spring Term will commence March 8th, 1880, and close June 10th, 1880.

DEMERIT AND GRADING SYSTEM.

All violations of University Law, and all neglects of duty, bring upon the student a certain number of demerits proportional to the gravity of the offense, and 200 of these demerits will dismiss him. Every recitation of each student is marked according to its merit, using 100 as the maximum, and the average of all these marks is compounded with the examination and conduct marks, so as to determine the general or final average, and in making up the averages, each study counts in proportion to the number of recitations for the week, while conduct counts with the study taken the greatest number of times per week.

Each demerit received for the term, takes off one-half of one from the deportment mark ; thus, if a student have ten demerits, his deportment mark will be 95, which counts as a study mark.

The first man in each class of the Collegiate Department, is indicated in the catalogue by the number 1, and the second by number 2, etc., etc.

REQUIREMENTS.

All male students who have received appointments, as beneficiaries, are required to take a course in agriculture or mechanics, "with permission to elect such other studies as circumstances may allow." This regulation does not apply to students in the Normal Department.

Students in all departments of the University, are required to pursue not less than three distinct studies, and no student can drop or change studies without permission of the Faculty.

All beneficiary and normal students should be present at the opening of the Autumn Term; and unnecessary delay, either of old students in returning or of new ones reporting, will lead to the forfeiture of their appointments. The strictest attention to study, and most exact punctuality in attendance on recitations, and all other duties, are made the conditions of every student's continuance at the University.

#### RELIGIOUS AND MORAL CULTURE.

Religious services are held every morning and evening in the chapel.

All students are required to attend these exercises, and also to attend the Bible Class, the exercises of which are held in the Chapel on Sunday. Opportunities are afforded for attending church, and students are expected to attend the one of their choice at least once on the Sabbath.

Will parents see that their children are furnished with Bibles on leaving home for the University?

#### EXPENSES.

Board, including fuel, lights and washing, is obtained from \$8 to \$12 per calendar month.

Day boarding can be had for \$5 a month.

All Beneficiary, and Normal, Students, on entering the Preparatory Department, and all *new* students, on entering any of the Collegiate Departments, are required to pay a matriculation fee of \$5.

Tuition is free in all the departments of the University proper. Students entering the Preparatory Department, without either Normal or Beneficiary appointments, are required to pay a tuition fee of \$10 per term, invariably in advance.

No student will be enrolled till all fees are paid.

Text books can be purchased in Fayetteville at publisher's prices.

Students wear such clothing at the University as they have been accustomed to at home, neatness only being required.

#### BOARDING HOUSES.

Students are required to board at such places as are selected by the Faculty, and are under the supervision of the President of the University. No change of boarding-house will be allowed, except at the end of each term, unless under extraordinary circumstances, nor without the permission of the President. This regulation does not apply to students who are residents of Fayetteville, but the parents of such students are expected to see that they conform to the regulations of the University.

#### LABOR.

An unlimited amount of remunerative labor cannot be promised; yet as much as possible will be provided for such as desire to work. While it is true that several students have paid their entire expenses in school by labor, it was done only by the closest economy. So far as the finances of the University will permit, labor will be made remunerative; the rate of wages being fixed from two to ten cents per hour, according to the character of the work performed and the efficiency of the worker.

#### MEANS OF REACHING THE UNIVERSITY.

Students may reach Fayetteville from the South by a daily line of stages from Alma, also from Van Buren and Fort Smith by daily lines of stages; and from the North by daily lines of stages from Pierce City and Neosho. Students on arriving at Fayetteville, must report at once to the President of the University, and will be held responsible for their conduct from the time of their reaching Fayetteville, as much so as if already enrolled.



## DEGREES.

Students who have completed the classical course are entitled to the Degree of Bachelor of Arts; those who have completed the Scientific course, to the Degree of Bachelor of Science; those who have completed the course of Agriculture, to the Degree of Bachelor of Agriculture; and those who have completed the course in Civil Engineering, to the Degree of Civil Engineer.

Students who have completed the Normal Course, are entitled to the Degree of Bachelor of Letters.

Satisfactory examinations in the several courses are required.

## PRIZES.

The Board of Trustees, at their June meeting,

*Resolved*—That a gold medal be offered for the best declamation delivered by not more than four competitors among the *gentlemen* of the Sophomore Class; also a gold medal for the best essay by a *lady* of the Sophomore Class; also a gold medal for the best *original* speech delivered by competitors, two from the Junior, and two from the Senior Class—all to be elected by the Faculty.

Said medals to be awarded by the judges selected by the Board of Trustees.

Prof. Harvey offered a copy of "Sach's Text Book of Botany, valued at \$12.50, to the student who will add the largest collection of new State plants, exceeding 100 species to the College Herbarium.

A copy of "Dana's Manual of Geology" for the best consideration of the Geology of Washington County.

Prizes to be awarded by the Board of Visitors, in conjunction with the teachers in the departments mentioned, their information being based on an examination of the work.

Mr. B. H. Stone of Fayetteville, gives annually a gold medal, valued at \$25, for the best essay written by a student of the University; the Faculty of the University selects the subject, and prescribes the method of competition.



Two members of the Board of Trustees have also offered prizes in cash on competitive examination among the students taking the Agricultural Course. For the best essay "on the agricultural resources of the State," the first prize will be \$25, for the second best, the prize will be \$10.

D. Appleton & Co., of New York, offer a prize of \$25, to that Senior who has taken the highest standing in Mathematics during the four years of the Collegiate Course.

The prizes for the year 1878-79 were awarded as follows :

The gold medal for best oration—to Mr. Lawrence Russell, of Russellville.

The gold medal for best declamation—to Mr. John Reed, of Fayetteville.

The silver medal, for second best declamation—to Gustave Jones, Jacksonport.

The stone medal. for best essay—to Mr. Zeno Ross, of Fort Smith.

The Harvey Botanical prize, the best collection of 150 State plants—to Miss Jessica Holliman, of Fayetteville.

#### LIBRARY AND READING ROOM.

The University Library, though at present small, comprises some valuable works, and additions are constantly being made. The last legislature made an appropriation of \$1,000 for this purpose. Nearly all of the newspapers of the State are kept on file in the Library, and students have access to them as well as the books, at certain hours, each day. No Library fee is charged.

#### LITERARY SOCIETIES.

Two Literary Societies ("Mathetian" and "Philomathean") have been organized by students of the College Department proper, and are in successful operation; the latter is composed exclusively of young gentlemen. The Preparatory Department, also, has two societies, the "Phamakopton" and the "Cleosophic" each of which does good work.

## CONTRIBUTIONS.

Contributions are solicited for our Library, Reading Room, Laboratory and Museum.

Any book, paper or manuscript of historical or other value ;  
Any piece of chemical, philosophical or mechanical apparatus ;  
Any ores, crystals, precious or valuable stones, vegetable or animal fossils, or any other thing that will be a source of information to our students, will be thankfully received.

We hereby designate and request County Superintendents of Public Schools to take charge of and forward to the University, by students or others who may be coming, any of the above-named donations.

## CONTRIBUTIONS TO COLLECTIONS.

The following contributions have been made to the Museum and Cabinets during the year :

Mr. Geo. Taylor, zinc and lead ores, from Oronogo, Mo.  
J. B. Sargent, Esq., galena and iron pyrites, from Joplin, Mo.  
A. J. Asher, silver bearing quartz, from Virginia City, Nevada.

F. W. Ellis, birds skins of native birds.

J. J. Watson, bird skins of native birds.

Various students have made contributions to the College Herbarium.

## READING ROOM.

The following named papers and periodicals have been furnished to the Library of the University, either by the publishers or by the persons whose names are annexed to them :

Wheeler's Independent, Fort Smith, Ark.

Spirit of Arkansas, Little Rock, Ark.

New York Sun (Prof. Russell) New York.

Russellville Democrat, Russellville, Ark.

Randolph Scalpel, Pocahontas, Ark.

Mountain Home Quid Nunc, Mountain Home, Ark.

The Forrest City Courier, Forrest City, Ark.

Peirce City Record, Peirce City, Mo.  
Southwestern Presbyterian, New Orleans, Mo.  
Weekly World, Helena, Ark.  
Sunday School Times (Prof. Russell) Philadelphia, Pa.  
The Argus, Van Buren, Ark.  
Western Baptist, Little Rock, Ark.  
Explorer and Miner, St. Louis, Mo.  
The Arkansas Yeoman, Helena, Ark.  
Public Ledger, Memphis, Tenn.  
Christian Observer, Louisville, Ky.  
Alma Herald, Alma, Ark.  
Official Gazette of U. S. Patent Office, Washington, D. C.  
Arkansaw Traveller, Conway, Ark.  
Daily Arkansas Democrat (Prof. Russell) Little Rock, Ark.  
Daily Arkansas Gazette (Prof. Russell) Little Rock, Ark.  
Farmers' Review, Chicago, Ill.  
Fort Smith Elevator, Fort Smith, Ark.  
Fort Smith Herald, Fort Smith, Ark.  
White County Beacon, Searcy, Ark.  
Weekly Arkansas Gazette, Little Rock, Ark.  
Batesville Guard, Batesville, Ark.  
Eldorado Eagle, Eldorado, Ark.  
Scientific American, New York City.  
The College Quarterly, Ames, Iowa.  
Ozark Democrat, Ozark, Ark.  
Monroe County Sun, Clarendon, Ark.  
The Monticellonian, Monticello, Ark.  
Logan County Enterprise, Boonville, Ark.  
Lonoke Democrat, Lonoke, Ark.  
Independent Arkansian, Dardanelle, Ark.  
Harrison Times, Harrison, Ark.  
Hope City Times, Hope Ark.  
Musical Record, Boston, Mass.  
Arkansas Sentinel, Fayetteville, Ark.

## CABINET AND MUSEUM.

The collections, in these, are yet inconsiderable, but they are slowly increasing.

## APPARATUS.

The University has been supplied with some excellent philosophical apparatus. Other additions will be made to this, and also to the chemical department, which is already in efficient operation.

## APPOINTMENT OF BENEFICIARIES.

All appointments should be completed, if possible, before the opening of the autumn term. The County Judges, who make the appointments, should prepare duplicate notifications of appointment, one of which will be forwarded to the President of the University, and one to the Secretary of the Board of Trustees; and in case the appointee fails to appear at the University within twenty days after appointment (except in case of sickness), he or she will be regarded as having declined the appointment, in which case it will be the duty of the President of the Faculty to notify the person making the appointment of such a failure, who will make another appointment as soon thereafter as possible, and such other appointee will be required to appear at the University as soon thereafter as possible. The President of the Faculty shall continue to notify appointing officers till their respective number of appointees make their appearance at the University.

## NUMBER OF BENEFICIARIES.

It is provided in sec. 18 of the Act of the General Assembly, establishing the University, that the Board of Trustees shall have power to "prescribe the grade and number of scholarships, and prescribe the rules by which scholars who are to be admitted free shall be elected equally from the various parts of the State." They have, therefore, made provisions for 350 Beneficiaries, who will be entitled to four years free tuition, and

237 Normal students who are also entitled to four years free tuition, who are apportioned among the several counties according to their respective populations by the United States census of 1870, which apportionment is as follows :

COUNTIES.	No. of Beneficiaries entitled to.	No. Normals entitled to.	Vacant Beneficiaries.	Vacant Normals.	COUNTIES.	No. of Beneficiaries entitled to.	No. Normals entitled to.	Vacant Beneficiaries.	Vacant Normals.
Arkansas.....	3	2	3	1	Lee.....	3	2	2	1
Ashley.....	4	3	2	3	Lincoln.....	4	4	4	3
Baxter.....	3	2	3	2	Little River.....	3	2	2	2
Benton.....	10	6	6	12	Logan.....	3	2	2	2
Boone.....	3	2	3	3	Lonoke.....	3	2	1	3
Bradley.....	4	3	3	3	Madison.....	4	3	3	3
Calhoun.....	3	2	3	2	Marion.....	3	2	2	2
Carroll.....	3	2	2	2	Miller.....	3	2	2	2
Chicot.....	6	4	6	4	Mississippi.....	3	2	2	2
Clark.....	7	5	7	5	Monroe.....	6	4	5	4
Clay.....	3	2	3	2	Montgomery.....	2	1	2	1
Columbia.....	6	4	5	3	Nevada.....	3	2	2	2
Conway.....	4	3	3	2	Newton.....	3	2	3	2
Craighead.....	3	2	2	2	Ouachita.....	9	6	8	6
Crawford.....	6	4	5	3	Perry.....	2	1	1	1
Crittenden.....	3	2	3	2	Phillips.....	9	6	5	4
Cross.....	3	2	3	2	Pike.....	3	2	3	2
Dallas.....	3	2	2	2	Poinsett.....	2	1	2	1
Desha.....	3	2	3	2	Polk.....	3	2	3	2
Dorsey.....	3	2	3	2	Pope.....	6	4	5	3
Drew.....	6	4	6	4	Prairie.....	6	4	6	4
Faulkner.....	3	2	1	1	Pulaski.....	21	14	16	14
Franklin.....	6	4	5	4	Randolph.....	4	3	4	3
Fulton.....	3	2	3	2	Saline.....	3	2	2	2
Garland.....	3	2	3	2	Scott.....	4	3	3	3
Grant.....	3	2	3	2	Searcy.....	3	2	3	2
Green.....	4	3	3	3	Sebastian.....	9	6	7	4
Hempstead.....	9	6	7	5	Sevier.....	3	2	3	2
Hot Spring.....	4	3	4	3	Sharp.....	4	3	3	3
Howard.....	3	2	3	2	St. Francis.....	4	3	4	3
Independence.....	9	6	9	6	Stone.....	3	2	3	2
Izard.....	4	3	3	3	Union.....	7	5	7	5
Jackson.....	4	3	3	3	Van Buren.....	3	2	3	2
Jefferson.....	10	7	5	4	Washington.....	13	8	8	8
Johnson.....	6	4	4	4	White.....	7	5	6	5
Lafayette.....	3	2	3	2	Woodruff.....	6	4	2	4
Lawrence.....	4	3	4	3	Yell.....	6	4	6	4

There is also "one Honorary Scholarship to each county to be selected for superior merit and proficiency from the public schools of each county, according to sec. 2, of Act, July 23, 1868.



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A SPLENDID OFFER.

The Trustees of the Arkansas Industrial University, have decided to fix up the old building as a steward's hall. A steward has been elected, who will receive at his table all the students in the building at \$5.50 per month, giving them good, healthy, but not luxurious food. That this benefaction may prove of service to meritorious young men of slender means, the faculty request that each County Judge will recommend one deserving young man from his county. Out of the seventy recommended, thirty will be selected, that being all the house will accommodate. There will be a saving to each boarder of about \$60 in the session. Students recommended by the County Judges must be on the ground the first day of September.

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## FORMS OF NOTICE

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Of Appointment of Beneficiary and Normal Students.

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As much trouble and annoyance is caused by students who have been appointed as Beneficiaries or Normals coming without any evidence of appointment, the following are adopted as the proper forms of notice to be given by the Judge of the County Court to the President of the University, and the Secretary of the Board of Trustees, upon the appointment of Beneficiary or Normal Students by the County Court, or the Judge thereof; in accordance with the sixth section of an act approved March 6, 1875:



[Form 1—Appointment.]

No.....

(To be given to the student.)

## ARKANSAS INDUSTRIAL UNIVERSITY.

*To whom it may concern:*

I hereby appoint.....of .....  
 County, State of Arkansas, as a Beneficiary (or Normal, as the case may be) to the  
 Arkansas Industrial University.

Given under my hand, this.....day of....., 187..

Send a notice like the following to the President of the University, and one to the Secretary of the Board of Trustees at Fayetteville:

[Form 2—Notice to President of University.]

No .....

## ARKANSAS INDUSTRIAL UNIVERSITY.

.....ARKANSAS. }  
 .....187.. }

*To the.....University:*

I hereby notify you that I have this day appointed.....  
 of.....County, State of Arkansas, as a Beneficiary (or Normal, as the  
 case may be) to the Arkansas Industrial University.

Given under my hand, this.....day of....., 187..

## ENROLLMENT.

Attention is called to the following resolution of the Board of Trustees:

*Resolved*, That the President of the Faculty require every student who appears at the University, to at once repair to the Secretary of the Board for enrollment, and that during the first week in each term he furnish the Secretary with a complete roll noting all Beneficiaries and Normals, and those in the Collegiate course, and that no student be allowed to recite with any class, or to enter the University until properly enrolled.

## DEPOSIT FUND.

All students in Chemistry are required to make a deposit of \$10 with the Secretary of the Board, to pay for chemicals, breakage, etc. So much of this sum as may be left after this outlay has been met, will be returned to each student.

## DEPARTMENT.

The Faculty may refuse to receive any applicant for admission into the University, until he can prove a good moral character, and whenever they are satisfied that the longer continuance of any student in the University is not beneficial to himself, or is injurious to his fellow-students (even though he may be guilty of no gross violation of the College law), they may write to his parents or guardian to withdraw him, and may proceed to dismiss him, should the request not be complied with.

## PROPERTY AND FUNDS.

The property of the University consists of the proceeds of the munificent grant of land by Congress, the bonds of Washington County and the Town of Fayetteville, the appropriations made by the State, and the University farm and lands—amounting in all to \$300,000 in value.

The bonds of the County of Washington, \$100,000, and of the Town of Fayetteville, \$30,000, payable thirty years from date, with interest at the rate of eight per cent. per annum, have by the action of the Board of Trustees, become a portion of the permanent endowment of the University, and will be scrupulously held for that purpose.

## AN ACT

To Regulate the Sale of Ardent Spirits Near the  
Arkansas Industrial University.

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*Be it enacted by the General Assembly of the State of Arkansas:*

SECTION 1. That it shall be unlawful for any person to sell or give away vinous or ardent spirits within three miles of the Arkansas Industrial University, except the same be for medical purposes, as hereinafter provided.

SEC. 2. *Be it further enacted,* That no person shall sell or give away any vinous or ardent spirits within three miles of said University, unless he be a regular practicing physician, and not until he has signed and sworn to an affidavit before the County Clerk of Washington County, and shall have the same duly recorded, which affidavit shall be in the following form: I, ———, do solemnly swear that I am a regular practicing physician; that I will not sell or give away any vinous or ardent spirits to any one unless it be for medical purposes, and believe the kind and quantity will be beneficial in the treatment of the disease under which the patient is suffering.

SEC. 3. *Be it further enacted,* That no one shall be excused from the penalty of this act who may, contrary to its provisions, sell, or cause to be sold, intoxicating drink, by reason of its being put up as bitters, mixed with drugs, or vended as a medicine, except as provided in the foregoing sections.

SEC. 4. *Be it further enacted,* That any person violating any of the provisions of this act shall be deemed guilty of a misdemeanor, and for each offense shall be fined not less than ten nor more than two hundred dollars, and this act shall take effect and be in force from and after its passage.

Approved March 6th, 1875.

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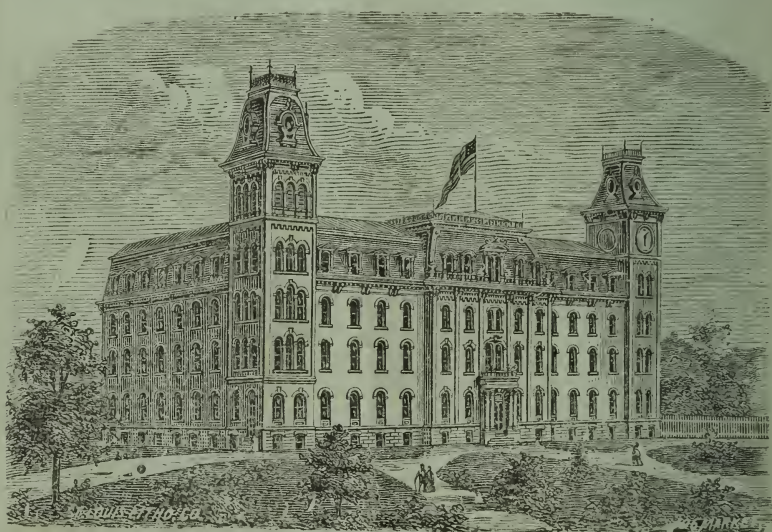
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ARKANSAS INDUSTRIAL UNIVERSITY.

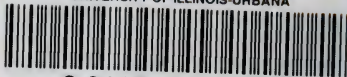








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